

Weatherly Index No. 002

CATALOG NO.
CA0050

MAY 2012



INTERNATIONAL/NAVISTAR® ENGINES

Replacement Parts Catalog

GLOBAL TECHNOLOGY behind every part

 **FEDERAL
MOGUL®**

RELY ON US TO MAXIMIZE PERFORMANCE.



It takes advanced replacement parts to get top performance from an International/Navistar® diesel engine. So choose the brand service fleets trust to get the most from these engines: FP Diesel®

FP Diesel components and kits have been proven for years in medium and heavy-duty fleet engines across the country. These parts are designed using the latest in computer-aided design (CAD) and computer-aided engineering (CAE) technology, and are thoroughly researched to meet the most demanding specifications.

With FP Diesel you get a better solution: premium technologies engineered to address the unique demands placed on all diesel engines. It's a rebuild parts choice you can make with confidence.



In-frame and Overhaul Kits | Camshafts | Oil Coolers
Engine Bearings | Engine Oil Seals | Expansion Plugs
Fuel Pumps | Fuel Injector Components | Gaskets
Lifters | Oil Pumps | Piston Rings | Pistons | Push Rods
Rocker Arm Parts | Sleeves | Timing Components
Turbocharger Components | Valvetrain Parts
Water Pumps & Thermostats

***Rely on us today for the complete range of
FP Diesel replacement engine components!***





Table of Contents

Global Technology Behind Every Part

Using the Catalog

| | |
|---|-------|
| How To Use This Catalog | II |
| How to Order Engine Kits | XII |
| Abbreviations | XV |
| Conversion Tables | XVII |
| Coverage | V |
| FP Diesel Philosophy / Manufacturing / Customer Service | III |
| FP Diesel Products | |
| Engine Bearings | X |
| Engine Kits | XI |
| Heavy Duty Pistons | VII |
| Sleeve Assemblies | VIII |
| Piston Rings | IX |
| Piston Ring Instructions | XIII |
| Warranty | XVIII |

Product Information

| | |
|------------------------------------|-------|
| Applications | 1-181 |
| DT360 Engine | 43 |
| DT408 Engine | 62 |
| 6.9L Engine | 69 |
| 7.3L / T444E Engine | 80 |
| DT466 Engine | 116 |
| I530 Engine | 148 |
| 9.0L Engine | 165 |
| Engine Kit Bill of Materials | 182 |
| Numerical Listing | 184 |
| www.FMe-cat | 188 |





FP Diesel CA0050 International/Navistar Engine Parts Catalog

Global Technology Behind Every Part

The header for each block listed is designed to help you identify the correct engine application. Special information regarding a specific part is located to the far right of the part number listing. Also included for help in finding the correct parts are engine illustrations that contain reference numbers corresponding to the reference numbers located next to the part number listings. If available, ENGINE KIT listings are located at the beginning of the engine listing.

Engine components are grouped in the following order:

- 1st** Cylinder Head and Parts
- 2nd** Intake & Exhaust Manifolds
- 3rd** Camshaft Group
- 4th** Fuel System and Parts
- 5th** Cooling System
- 6th** Engine Block and Parts
- 7th** Crankshaft/Oil Pump and Related Parts
- 8th** Cylinder Components (incl. Rod Bearings, Cylinder Sleeves, Pistons, Piston Rings)

The catalog is sorted as follows::

- 1st** by ENGINE DISPLACEMENT.
- 2nd** by BORE DIAMETER. Engines with the same displacement are sorted by bore diameter.
- 3rd** By USAGE. Engines used in Medium Duty Truck applications will be listed before engines used in Heavy Duty Truck applications.
- 4th** By INDUCTION SYSTEM. Naturally aspirated engines will be listed before Turbocharged engines.

Many of the headers will include serial number listings to provide added assurance that the correct listing is being used.

General Information

This catalog is designed to identify the major components, assemblies and kits used in International/Navistar's older engines as well as the newer 6.9 Liter, 7.3 Liter, 9.0 Liter, DT360, DT408, DT466, I530 and their respective variants. The catalog includes all of the parts and kits available from FP Diesel for International/Navistar on-highway engines. For reference purposes, the illustrations and tables in this catalog may also include parts and assemblies not currently available from FP Diesel, so that you can identify other parts as needed.

The catalog is organized by engine model. Each section is subdivided into groups that coincide with the various engine assemblies and components.

FP Diesel uses a part numbering system similar to International's OEM number. In most instances, the FP Diesel part number is the same except that the suffix of the International/Navistar number is omitted (when it serves no applicable purpose). For example:

International/Navistar Part Number 1809 583 C93
FP Diesel Part Number FP-1809583

All manufacturers numbers, names, symbols and descriptions are used for reference purposes only. It is not implied that any part listed is the product of any specific manufacturer.

All information contained in this catalog is based on the latest data available at the time of printing. Although care has been taken to ensure the accuracy of the data compiled in this catalog, Federal-Mogul does not assume liability for errors or omissions.

IMPORTANT NOTICE

This catalog does not replace the International/Navistar parts catalogs or service materials. If in doubt, reference your International/Navistar publications.





FP Diesel Philosophy

Global Technology Behind Every Part

FP Diesel – part of the Federal-Mogul Engine Systems group – is the industry's leading brand of premium heavy-duty replacement engine parts and gaskets, providing total engine system solutions for such well-known brands as Case®, Caterpillar®, Cummins®, Detroit Diesel®, IH/Navistar®, John Deere®, Komatsu®, Mack®, Waukesha® and White Superior®.

Federal-Mogul maintains a steadfast commitment to unsurpassed product quality and customer service. We serve construction, marine, agricultural, mining, gas compression, trucking and industrial markets around the globe. As the global leader in heavy-duty powertrain systems, Federal-Mogul is instrumental in the development of every new generation of gasoline and diesel engine technology. When you choose FP Diesel, you get unparalleled global engineering and manufacturing resources built into every product.

Today's medium and heavy duty commercial markets demand performance. Performance means precision-engineered parts that meet your demanding specifications; and are backed by a team of knowledgeable customer service representatives who can provide technical information and assistance; computerized order and inventory tracking for fast and accurate order fill; unprecedented warranty programs and a company-wide commitment to customer satisfaction.



Construction



Agriculture



On-Highway



Marine

©2012 Federal-Mogul Corporation. FP Diesel and their respective designs are registered trademarks of Federal-Mogul Corporation. Case® is the registered trademark of Case Corporation, Inc.; Cat® and Caterpillar® are the registered trademarks of the Caterpillar, Inc.; Cummins® is the registered trademark of Cummins Engine Company; Detroit Diesel® is the registered trademark of Detroit Diesel Corporation; IH/Navistar® is the registered trademark of International Truck and Engine Corporation; John Deere® is the registered trademark of Deere & Company; Komatsu® is the registered trademark of Komatsu Limited, Inc.; Mack® is the registered trademark of Mack Trucks, Inc.; Waukesha® is the registered trademark of the Waukesha Engine Division of Dresser Industries, Inc.; White Superior® is the registered trademark of White Superior Corporation, Inc. Jacobs® is a registered trademark of Jacobs Vehicle Systems. All rights reserved.





Manufacturing

Global Technology Behind Every Part



Precise manufacturing and fabricating techniques, rigorous quality control procedures, utilization of the latest CAD technology and innovative solutions to industry challenges – coupled with Federal-Mogul's global manufacturing capabilities – have established FP Diesel as the industry leader in the medium and heavy duty commercial market.

FP Diesel applies stringent quality control procedures with expertly skilled technicians supervising the manufacturing process in all phases to ensure that our parts will perform and last.

FP Diesel is a military approved supplier for the 53 Series Detroit Diesel engine. But the parts we supply for the 53 aren't the only ones that go through government testing. Every FP Diesel part must pass through high-level quality control. Plus, every part is tracked throughout the entire distribution process.

Customer Service

FP Diesel customer service representatives are among the most experienced and knowledgeable in the industry, with hands-on medium and heavy-duty experience and in-depth knowledge of engine parts and applications. With one call to your

representative you'll have answers to any product, technical, order processing, billing, warranty, pricing, order tracking or availability questions you may have. Customer service that goes the extra mile also means you not only get the parts you need, but expert assistance from a person who knows the market.



Plus, our computerized inventory system allows us to ship orders promptly anywhere in the world, while our easy-to-use cataloging system makes ordering FP Diesel parts fast and simple. For the parts and information you need, count on FP Diesel to go the extra mile.





Coverage

Global Technology Behind Every Part

The FP Diesel product offering is a comprehensive line of diesel and natural gas engine replacement parts that provide all the coverage necessary to meet your heavy-duty engine rebuilding needs. FP Diesel also offers a full line of gaskets and elastomeric products. For more specific information, please refer to our full-line catalogs, which are engine and machine specific and follow OEM format. To ensure exact part number replacement, these catalogs reference OEM part numbers and features technical information relating to the specific engine being serviced.



Products and Catalogs

Caterpillar

Replacement Caterpillar products cover 3200, 3300, 3400, 3500, D Series and G Series engines. This coverage extends from cylinder heads, fuel injection, cam and crankshafts, cylinder kits, valvetrain and electrical to engine bearings, transmission, hydraulic gasket sets and more. **Refer to FP Diesel catalog No. CA0010 (parts) and CA0020 (gaskets).**

Cummins

FP Diesel provides replacement parts coverage for V378, V504, V555, Small Vee Engines, V/VT 903, 855 Series, N14, L10, B Series, C Series, V/VT1710, N743 and K/KTA 19-, 38- and 50-liter engines, as well as components for Jacobs® brakes. **Refer to FP Diesel catalog No. CA0030.**

Detroit Diesel

FP Diesel offers the most complete coverage in the replacement parts industry for Detroit Diesel, with an extensive line of components and kits for the 8.2-liter, 53 Series, 60 Series, 71 Series, 92 Series and 149 Series engines. **Refer to FP Diesel catalog No. CA0040 for 2-cycle engines or FP Diesel catalog No. CA0045 for 4-cycle engines.**

John Deere

FP Diesel offers a broad range of in-frame and complete overhaul kits and related components for 300 Series, 400 Series, 500 Series and Powertech engines. **Refer to FP Diesel catalog No. CA0085.**

Komatsu

Extensive coverage for Komatsu S6D155 and SA6D155 engines, as well as a full line of replacement parts for Komatsu machines using Cummins N743, KT/KTA 19-, 38- and 50-liter engines, and the Cummins 855. **Refer to FP Diesel catalog No. CA0085.**

Mack

FP Diesel has a broad line for Mack, early ENDT 675 and 676 engines, as well as parts for later EM6 with both two- and four-valve head configurations. **Refer to FP Diesel catalog No. CA0060.**

International/Navistar

International coverage extends from the 6.9 and 7.3 liter, DT-360 and DT-466 through the 9.0 liter engine. **Refer to FP Diesel catalog No. CA0050.**

For agricultural applications, FP Diesel also services the DT-414 and DT-436 Case/I.H. engines. **For industrial and agricultural applications, refer to FP Diesel catalog No. CA0188.**

Case

FP Diesel has a complete range of kits and components for the 188, 207, 301, 366, 451 and 504-Case engines along with the 4-390 & 4T-390, 6-590 & 6T-590, 6T-830 & 6TA-830, LTA 10 and NTA 855 B/C III Cummins engines. **Refer to FP Diesel catalog No. CA0095.**

Commercial, Ag, Industrial Engines

The FP Diesel CA0188 catalog includes all the engine manufacturers not covered in the FP Diesel name-plate specific catalogs. Replacement engine components for Allis-Chalmers, Bedford, Bendix-Westinghouse, Briggs & Stratton, Buda, Case Tractor, Chevrolet MD Truck, Climax, Continental, Dodge MD Truck, Ford Tractor, GMC MD Truck, Hercules, IHC Tractor, Isuzu Forklift, KHD, Kohler, LeRoi, Massey Ferguson, Mercedes, Mazda Forklift, Minneapolis-Moline, Mitsubishi, Novo, Oliver, Perkins, Superior, Thermo-King, Volvo, Waukesha, White and Wisconsin are included in the **FP Diesel CA0188 catalog.**





Repowering your heavy-duty engines

Any high-horsepower engine, regardless of age, represents a brutal operating environment for pistons, rings, bearings, liners and other internal components. Yet not nearly as demanding as the engine durability and performance labs at Federal-Mogul Corporation's

Advanced Technology Centers

in Burscheid and Nuremberg, Germany; and Ann Arbor, Michigan, U.S.A.

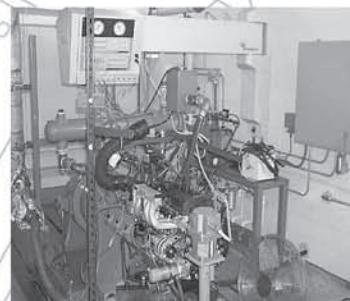
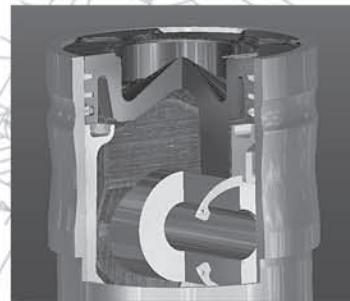
Being a global manufacturer means investing in advanced technologies worldwide. On a daily basis, our engineers work to create engine and sealing systems solutions that address the dynamic forces found in each generation of diesel engines.

As the Global Leader in Heavy-duty Powertrain Systems,

Federal-Mogul is instrumental in the development of every new generation of gasoline and diesel engine technology. Our global research centers are pioneering the use of new materials and designs that will become tomorrow's standards. And the consistent deployment of these advanced technologies throughout our technology centers means better designs for replacement applications. These include:

- Advanced-design articulated and POWERFORGED® pistons for on- and off-highway engines.
- Space-age ring coatings to resist the corrosion and abrasion associated with EGR and other engine emissions solutions.
- Thinner, stronger cylinder liners that allow customers to maximize bore size.

When you choose FP Diesel, you receive much more than premium-quality engine parts. Each component is the product of the industry's very best ideas — powertrain technologies that won't merely survive, but thrive in today's hardest-working engines.





Heavy Duty Pistons

Global Technology Behind Every Part

FP Diesel heavy duty pistons are designed and produced for severe operating conditions. Federal-Mogul is one of the world's leading manufacturers of heavy duty pistons offering one and two-piece designs including aluminum, articulated, cast iron and steel materials. For severe and high load applications, FP Diesel pistons include a metallurgically bonded NI-resist insert in the top and in some cases, the second ring groove. The NI-resist insert minimizes groove wear and reduces pound-out from the compression ring. Anodized heads and graphite-coated skirts offer additional durability in severe applications. Federal-Mogul also utilizes an in-house, patented magnesium-

phosphate coating to reduce the piston corrosion caused by high-sulfate diesel fuels and break-in wear on problematic applications.

We design our heavy duty pistons using the latest in computer aided design (CAD) software. Each application is thoroughly researched to ensure the proper dimensional and metallurgical requirements. And since we also design and manufacture cylinder liners and piston rings, our engineers can make sure each piston we develop provides optimum performance as part of the "power-cylinder" system.





Sleeve Assemblies

Global Technology Behind Every Part

Cylinder sleeves are produced by Federal-Mogul in a QS9000 registered facility complete with casting, induction hardening, machining, measurement and design capabilities. We start with raw castings produced on a state-of-the-art molding line specifically designed for the manufacture of static cast cylinder liners. The static castings produced by our foundry have a very consistent microstructure and superior scuffing resistance.

Certain applications are induction hardened or thru-hardened to enhance the wear characteristics and strength of the liner. Hardened liners are typically used in engines highly susceptible to dirt contamination, such as construction or agricultural applications.

Machining is performed on modern CNC equipment to ensure dimensional stability and exacting tolerances. Cylinder liners are typically finish honed to generate a plateau finish. The

plateau finish promotes rapid ring seating during break-in while providing a long-wearing sealing surface.

FP Diesel offers sleeves for wet, dry and repair applications. Sleeve assemblies or kits include the sleeve, piston, piston pin and lock rings, piston rings and sealing rings.





Piston Rings

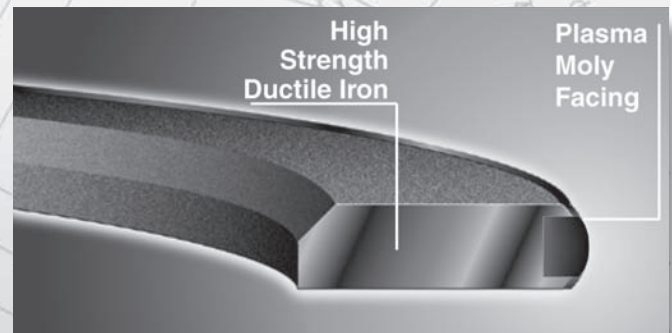
Global Technology Behind Every Part

FP Diesel offers a broad range of piston rings that dominate the industry with technically advanced design, dedicated research and superior quality. Our rings minimize cylinder leakage under true operating conditions, and provide maximum oil control.

Top Ring

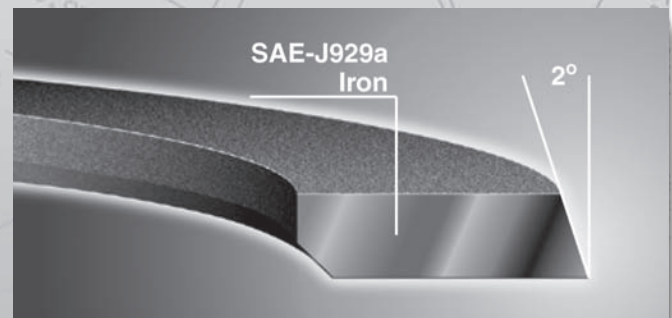
FP Diesel top rings provide reliable compression sealing and maximum power output, and control "blow-by." They are engineered for instant seating, superior cylinder sealing and optimum durability. We offer cast iron, high strength ductile iron, and steel material choices. All premium ring sets feature moly, chrome or plasma-moly facings for enhanced performance under demanding conditions. The inherent strength of our materials provides sealing integrity at extreme pressures and RPM. We supply rings for all popular applications: including medium and heavy duty, agricultural and high performance.

The race-proven gap design creates an escape path for residual combustion gases, reducing inter-ring pressure and keeping the top ring seated against its groove. Without this escape path, trapped pressure will unseat the top ring, causing ring flutter and reduced cylinder seating at high RPM. Our one-piece second rings are far more effective and reliable than competitive designs which attempt to retain combustion pressure lost through ineffective top rings. Beware: cylinder leakage tests are steady-state; they do not account for time, piston movement or true operating pressures.



Second Ring

Second rings are manufactured from SAE-J929a iron to provide excellent durability and superior oil control. The primary function of the second ring is oil control. Our tapered face design makes this ring work as a "scraper," reducing the potential for oil migration into the combustion chamber.





Engine Bearings

Global Technology Behind Every Part

Engine Bearing Material Selection

When selecting engine bearings, most rebuilders concentrate on getting the proper clearances and maintaining adequate oil pressure. Durability is expected from any bearing chosen, and the advantages of different bearing materials may not be considered. If engine operating conditions are considered and bearing materials chosen accordingly, the likelihood of engine longevity is greater. No single material can be correct for every application. FP Diesel engine bearings are equal to or better than the

original equipment specifications for material and design. We also provide alternatives to address unique problems and special needs.

In heavy duty applications there are a number of materials that will do an excellent job. Each alloy has advantages in terms of resistance to corrosion, rate of wear and fatigue strength. The latter characteristic is critical in engines that operate under high loads, generate considerable heat and may be subjected to occasional detonation.

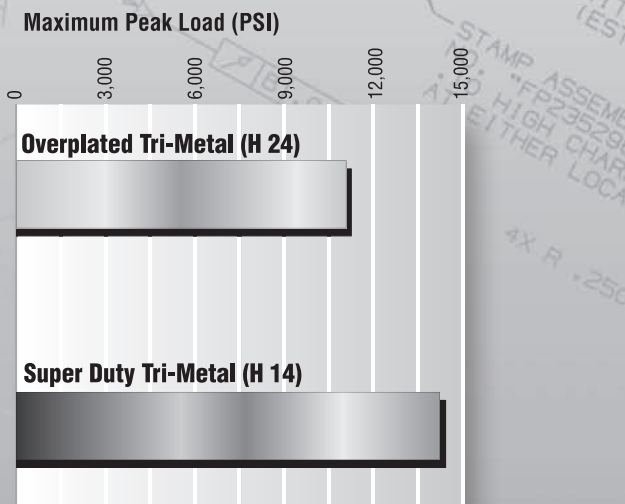
Bi-Metal Aluminum Alloys – Plated and Unplated

Diesel fuels, moisture, and engine “blow-by” introduce many contaminants into the crankcase. Aluminum engine bearing materials provide outstanding resistance to the corrosive effects of these substances, and are the product of choice for most current original equipment vehicle manufacturers. The modern bi-metal aluminum engine bearing contains silicon. As a result of using silicon, the alloy resists seizure and dramatically reduces or

eliminates bearing wear. This contributes to today's extended engine life. Aluminum is often the best material for a daily driven vehicle. Adding an overplate to an aluminum engine bearing will further enhance embedability and conformability. Continued efforts to remove lead from our environment guarantee that aluminum will become the preferred engine bearing material for most applications.

Tri-Metal Alloys

Tri-Metal engine bearings, such as our H-14 and H-24 alloys, have excellent fatigue resistance, but are less resistant to corrosion damage than aluminum bearings. These bearing materials are accepted by engine builders worldwide, and are proven to be reliable in a wide range of uses. While OE manufacturers are moving to aluminum for their needs, many rebuilders still specify the tri-metal bearings for older engines.





Engine Kits

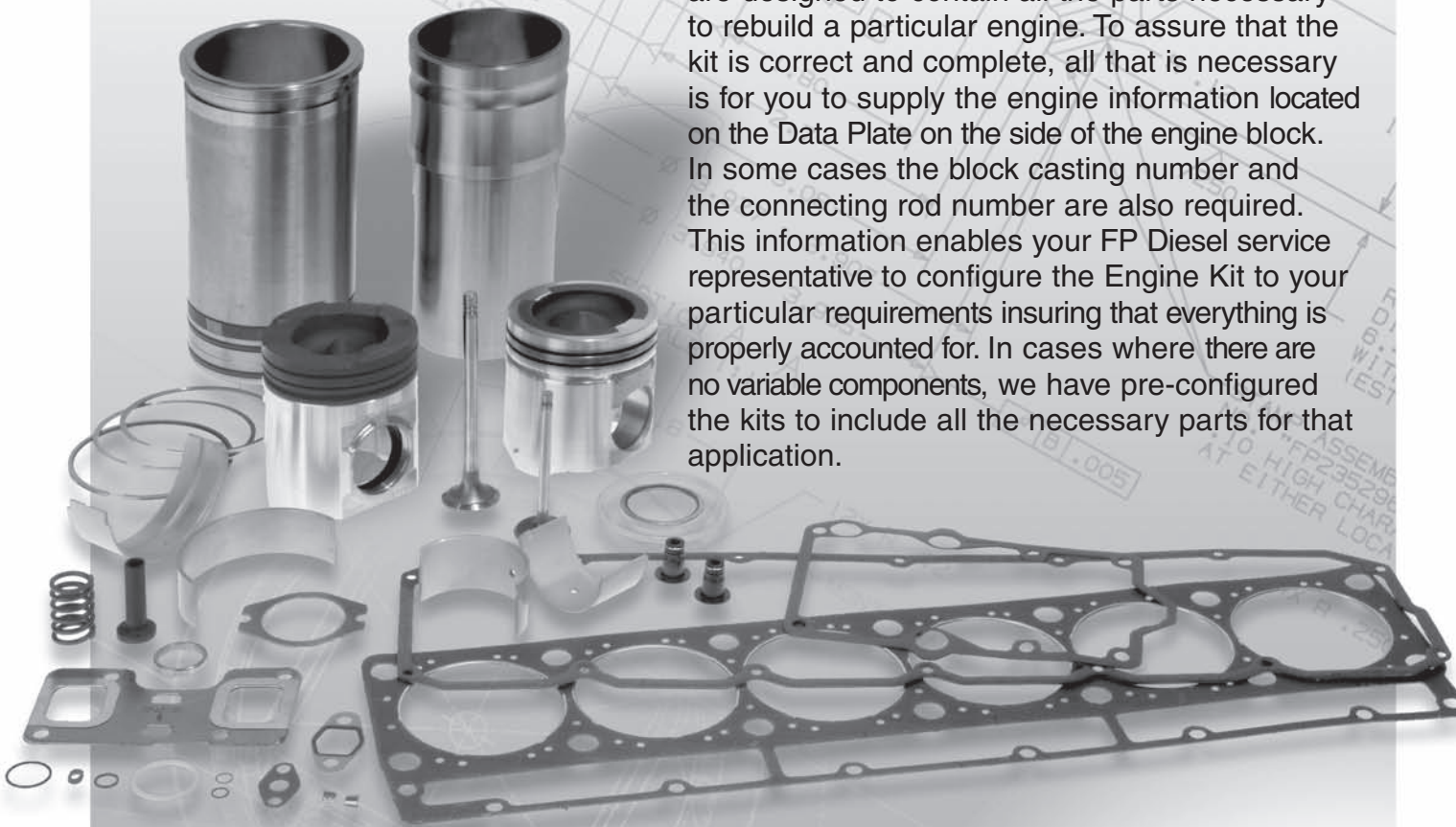
Global Technology Behind Every Part

The FP Diesel Engine Kit program allows you to select a kit tailored to the job at hand. Whether performing a complete overhaul or in-frame repair, FP Diesel engine kits contain all the necessary components to complete the rebuild job. This comprehensive program provides you with the following:

- Concise application information
- One price look-up
- A full complement of oversizes and undersizes
- Master kits that include full gasket sets

How To Specify FP Diesel Engine Kits

Many FP Diesel engine kits have several variations in components that are available depending on the specific engine. Overhaul Kits are designed to contain all the parts necessary to rebuild a particular engine. To assure that the kit is correct and complete, all that is necessary is for you to supply the engine information located on the Data Plate on the side of the engine block. In some cases the block casting number and the connecting rod number are also required. This information enables your FP Diesel service representative to configure the Engine Kit to your particular requirements insuring that everything is properly accounted for. In cases where there are no variable components, we have pre-configured the kits to include all the necessary parts for that application.





How To Order Overhaul & In-frame Kits

Global Technology Behind Every Part

Global Technology Behind Every Part

The FP Diesel® Engine Kit program allows you to select a kit tailored to the job at hand. Whether performing a complete overhaul or in-frame repair, our engine kits contains all of the necessary components to complete the rebuild.

STEP ONE Gather the necessary engine information

To make sure you order and receive the exact kit you need, be sure to have these important answers for each major engine nameplate:

STEP TWO Consult the FP Diesel print or online catalog

Federal-Mogul offers the industry's most convenient and up-to-date product lookup tools through the powerful www.FMe-cat.com website. Simply choose your region and then click on the "Commercial, Ag and Industrial" link. You can use the fast, easy electronic lookup and interchange tools or click "Digital Catalogs" to access "virtual" print catalogs.

STEP THREE Call us today!

Call 800-237-7425 to place your order. Before you know it, your custom engine overhaul kit will be delivered!

| Navistar® |
|---|
| Engine |
| Serial Number |
| Piston Number |
| DT-466 – Valve Cover or Crankcase-Mounted Breather |
| Crank Size |
| In-Frame Gasket Set or Complete Gasket Set |
| Caterpillar® |
| Engine/Machine |
| Serial & Arrangement Number |
| 3200 Series – Std. or Oversize Pistons and Ring Sets (2- or 3-Ring) |
| Crank Size |
| In-Frame Gasket Set or Complete Gasket Set |
| Cummins® |
| Engine |
| CPL or Piston Number |
| Big or Small Cam |
| Liner Size |
| Crank Size |
| In-Frame Gasket Set or Complete Gasket Set |
| Head Set w/Std. Water Grommets or 0.010" Oversize |
| Detroit Diesel® |
| Engine |
| Model & Serial Number |
| Turbo or Natural |
| Trunk or Crosshead Piston |
| Liner Size |
| Crank Size |
| Head Set & Pan Gasket or Complete Overhaul Gasket Set |
| If Complete, Crank Seals Not Included – Need Them |
| Steel or Aluminum Valve Covers |
| Mack® |
| Engine |
| Model Number |
| Piston Number |
| Liner Size |
| Crank Size |
| In-Frame Gasket Set or Complete Gasket Set |





Piston Ring Set Instructions

Global Technology Behind Every Part

FP-1802208 Ring Set Instructions STD. – (6.9L V8)

FP-1802210 Ring Set Instructions .020 – (6.9L V8)

FP-1802211 Ring Set Instructions .030 – (6.9L V8)

FP-1802212 Ring Set Instructions .040 – (6.9L V8)

The top ring or fire ring is a black rectangular ring with a chrome face and marked “up” and “top” with a green paint dot. Install with markings facing up. The second ring or compression ring is a metal colored rectangular ring with a chamfer and marked “2nd” and “up” with a blue paint dot. Install with markings and chamfer facing up. The oil ring has no markings and can be installed either side up with the expander gap 180 degrees from the ring gap. All ring gaps should be installed 90 degrees apart.

FP-1809146 Ring Set Instructions STD. – (7.3L V8 EARLY)

FP-1809147 Ring Set Instructions .010 – (7.3L V8 EARLY)

FP-1809148 Ring Set Instructions .020 – (7.3L V8 EARLY)

FP-1809149 Ring Set Instructions .030 – (7.3L V8 EARLY)

The top ring or fire ring is a metal colored rectangular ring with a chrome face and marked with a dot. Install with the dot facing up. The second ring or compression ring is a black rectangular ring marked with a dot. Install with the dot facing up. The oil ring has no markings and can be installed either side up with the expander gap 180 degrees from the ring gap. All ring gaps should be installed 90 degrees apart.

FP-1813171 Ring Set Instructions STD. – (7.3L V8 LATE)

FP-1813173 Ring Set Instructions .020 – (7.3L V8 LATE)

FP-1813174 Ring Set Instructions .030 – (7.3L V8 LATE)

The top ring or fire ring is a black rectangular ring with a chrome face, chamfer, and marked with a dot. Install with the chamfer and dot facing up. The second ring or compression ring is a metal colored rectangular ring marked with two circles. Install with the markings facing up. The oil ring has no markings and can be installed either side up with the expander gap 180 degrees from the ring gap. All ring gaps should be installed 90 degrees apart.

FP-1809919 Ring Set Instructions (DT-360 EARLY)

The top ring or fire ring is a metal colored keystone ring marked with a circle. Install with the circle or markings facing up. The second ring or compression ring is a black keystone ring marked with a circle. Install with the circle and markings facing up. The oil ring has no markings and can be installed either side up with the expander gap 180 degrees from the ring gap. All ring gaps should be installed 90 degrees apart.



Piston Ring Set Instructions

Global Technology Behind Every Part

FP-1817251 Ring Set Instructions (DT-360 LATE)

The top ring or fire ring is a metal colored keystone ring marked with a circle. Install with the circle or markings facing up. The second ring or compression ring is a black keystone ring marked with a circle. Install with the circle and markings facing up. The oil ring has no markings and can be installed either side up with the expander gap 180 degrees from the ring gap. All ring gaps should be installed 90 degrees apart.

FP-684256 Ring Set Instructions (DT-466)

The top ring or fire ring is a black keystone ring with a chrome face, chamfer, and is marked "up" and "1st groove". Install with the chamfer and markings facing up. The second ring or compression ring is a black keystone ring marked with a circle. Install with the circle and markings facing up. The oil ring has no markings and can be installed either side up with the expander gap 180 degrees from the ring gap. All ring gaps should be installed 90 degrees apart.

FP-1801358 Ring Set Instructions (DT-466)

The top ring or fire ring is a black keystone ring with a chrome face, chamfer, and is marked "up" and "1st groove". Install with the chamfer and markings facing up. The second ring or compression ring is a black keystone ring marked "up" and "2nd groove". Install with the chamfer and markings facing up. The oil ring has no markings and can be installed either side up with the expander gap 180 degrees from the ring gap. All ring gaps should be installed 90 degrees apart.

FP-1817247 Ring Set Instructions (DT-466)

The top ring or fire ring is a black keystone ring with a chrome face, chamfer, and is marked "up" and "1st groove". Install with the chamfer and markings facing up. The second ring or compression ring is a black keystone ring marked "up" and "2nd groove". Install with the chamfer and markings facing up. The oil ring has no markings and can be installed either side up with the expander gap 180 degrees from the ring gap. All ring gaps should be installed 90 degrees apart.

FP-1801358-4R Ring Set Instructions (DT-466 – 4 ring piston)

The top ring or fire ring is a metal colored keystone ring marked "top". Install with the marking facing up. The second and third rings or compression rings are black rectangular rings with a chamfer and marked "top". Install with the chamfer and marking facing up. The oil ring has no markings and can be installed either side up with the expander gap 180 degrees from the ring gap. All ring gaps should be installed 90 degrees apart.

FP-80004 Ring Set Instructions (DT-466)

The top ring or fire ring is a black keystone ring with a chrome face, chamfer, and is marked "up" and "1st groove". Install with the chamfer and markings facing up. The second ring or compression ring is a black keystone ring marked with a circle. Install with the circle and markings facing up. The oil ring has no markings and can be installed either side up with the expander gap 180 degrees from the ring gap. All ring gaps should be installed 90 degrees apart.



Abbreviations Used

Global Technology Behind Every Part

ABBREVIATION DESCRIPTION

| | |
|------------------|---------------------------|
| & | And |
| 2WD..... | Two Wheel Drive |
| 4WD..... | Four Wheel Drive |
| A.I.R..... | Air Injector Reactor |
| A/C..... | Air Conditioning |
| A/R..... | As Required |
| A/T..... | Automatic Transmission |
| ABS | Anti-lock Brake System |
| AC..... | Alternating Current |
| Acc..... | Accessory |
| Adj..... | Adjustable |
| Adv..... | Advance |
| Aft..... | After |
| Alt..... | Altitude |
| Alum..... | Aluminum |
| Amp..... | Ampere |
| AOD..... | Automatic Overdrive |
| Appl..... | Application |
| Approx..... | Approximately |
| Asst..... | Assist |
| Assy..... | Assembly |
| ATV..... | All Terrain Vehicle |
| Auto..... | Automatic |
| Auto. Trans..... | Automatic Transmission |
| Aux..... | Auxiliary |
| Avail..... | Available |
| Avg..... | Average |
| AWD..... | All Wheel Drive |
| Bal..... | Balance |
| Batt..... | Battery |
| Bbl..... | Barrel |
| Bbl. Carb..... | Barrel Carburetor |
| Bef..... | Before |
| Brg..... | Bearing |
| Brkt..... | Bracket |
| C..... | Celsius |
| C.I..... | Cast Iron |
| C.R..... | Compression Ratio |
| C/L..... | Centerline |
| Calib..... | Calibration |
| Calif..... | California |
| Cam..... | Camshaft |
| Can..... | Canada |
| Carb..... | Carburetor |
| Cat..... | Catalytic |
| cc..... | Cubic Centimeter |
| CCW..... | Counter Clockwise |
| CD..... | Compression Distance |
| CFFI..... | Cross Fire Fuel Injection |
| CFI..... | Central Fuel Injection |
| CFM..... | Cubic Feet per Minute |
| CID..... | Cubic Inch (Displacement) |
| Cld..... | Cooled |
| Clg..... | Cooling |
| Clr..... | Cooler |
| cm..... | Centimeter |
| Cntr. Bore..... | Counter Bore |
| Compl..... | Complete |

ABBREVIATION DESCRIPTION

| | |
|---------------|-----------------------------|
| Con. Rod..... | Connecting Rod |
| Cruise..... | Cruise Control |
| Ctr..... | Center |
| CW..... | Clockwise |
| Cyl..... | Cylinder |
| Cyl. Hd..... | Cylinder Head |
| DC..... | Direct Current |
| Deg..... | Degree |
| DFI..... | Digital Fuel Injection |
| DI..... | Direct Injection |
| Dia..... | Diameter |
| Dim..... | Dimension |
| Dir. Inj..... | Direct Injection |
| Disc..... | Discontinued |
| Dist..... | Distributor |
| DOHC..... | Dual Overhead Camshaft |
| Dr..... | Door or Drive |
| E.E.C..... | Electronic Engine Control |
| E.I.S..... | Electronic Ignition System |
| Ea..... | Each |
| Ecc..... | Eccentric |
| ECM..... | Electronic Computer Module |
| ECM..... | Electronic Control Module |
| ECM..... | Engine Control Module |
| Econ..... | Economy |
| ECS..... | Electronic Controlled Spark |
| EFI..... | Electronic Fuel Injection |
| Elec..... | Electric |
| Emis..... | Emission |
| Eng..... | Engine |
| Equip..... | Equipment |
| Etc..... | Et Cetera |
| Exc..... | Except |
| Exh..... | Exhaust |
| Exp..... | Export |
| Ext..... | Exterior |
| Ext..... | External |
| F..... | Fahrenheit |
| Fed..... | Federal |
| FI..... | Fuel Injection |
| Flex..... | Flexible |
| Flg..... | Flange |
| Flwr..... | Follower |
| Frg..... | Forged or Forging |
| Frt..... | Front |
| FWD..... | Front Wheel Drive |
| Gal..... | Gallon |
| Gas..... | Gasoline |
| GPH..... | Gallons Per Hour |
| GPM..... | Gallons Per Minute |
| Grv(s)..... | Groove(s) |
| Gskt..... | Gasket |
| GVW..... | Gross Vehicle Weight |
| H/D..... | Heavy Duty |
| Hd..... | Head |
| HEI..... | High Energy Ignition |
| Hi..... | High |



Abbreviations Used

Global Technology Behind Every Part

ABBREVIATION DESCRIPTION

| | |
|-------------|---------------------------------|
| Hi Alt. | High Altitude |
| Hi-Perf. | High Performance |
| Hi-Temp. | High Temperature |
| HO | High Output |
| Horiz. | Horizontal |
| HP | Horsepower |
| HSC | High Swirl Combustion |
| Hyd. | Hydraulic |
| I/C | Intercooler |
| I.D. | Identification |
| ID | Inside Diameter |
| IDI | Indirect Injection |
| In. Frm. | In Frame |
| in. | Inch |
| Incl. | Includes |
| Ind. | Industrial |
| Inj. | Injection |
| Int. | Intake |
| Inter. | Intermediate |
| L | Liter |
| L.H. | Left Hand |
| L/D | Light Duty |
| Lgth. | Length |
| LPG | Liquid Propane Gas |
| M/D | Medium Duty |
| M/T | Manual Transmission |
| Man. | Manual |
| Man. Trans. | Manual Transmission |
| Max. | Maximum |
| Mech. | Mechanical |
| MFI | Multi-Port Fuel Injection |
| Min. | Minimum |
| mm | Millimeters |
| MPH | Miles Per Hour |
| Mtl. | Material |
| N/A | Not Available |
| N/R | Not Required |
| Nat. | Natural |
| Nat. Asp. | Naturally Aspirated |
| Neg. | Negative |
| Neut. | Neutral |
| No. | Number |
| Nom. | Nominal |
| Norm. | Normal |
| O.A.L. | Overall Length |
| O.E. | Original Equipment |
| O/D | Overdrive |
| O/S | Oversize |
| Obs. | Obsolete |
| OD | Outside Diameter |
| OEM | Original Equipment Manufacturer |
| OHC | Overhead Cam |
| OHV | Overhead Valve |
| Opt. | Optional |
| Orig. | Original |
| oz. | Ounce |

ABBREVIATION DESCRIPTION

| | |
|-------------|--------------------------------|
| P.T.O. | Power Take Off |
| P/S | Power Steering |
| Pass. | Passenger |
| Pc(s) | Piece(s) |
| PCV | Positive Crankcase Ventilation |
| Perf. | Performance |
| Pkg. | Package |
| Pos. | Positive |
| Prem. | Premium |
| Pri. | Primary |
| PSI | Pound Per Square Inch |
| Pwr. | Power |
| Qtr. | Quarter |
| Qty. | Quantity |
| R.B.P. | Ring Below Pin |
| R.H. | Right Hand |
| Ref. | Reference |
| Reg. | Regular |
| Reman. | Remanufactured |
| Req'd | Required |
| Rev. | Revision |
| Rev. Rot. | Reverse Rotation |
| Rlr. | Roller |
| RMB | Rear Main Bearing |
| Rot. | Rotation |
| RPM | Revolutions Per Minute |
| Rr. | Rear |
| RWD | Rear Wheel Drive |
| S/C | Supercharged |
| Seal. Rings | Sealing Rings |
| Ser. | Serial or Series |
| Ser. No. | Serial Number |
| SFI | Sequential Fuel Injection |
| Siv. | Sleeve |
| SOHC | Single Overhead Cam |
| Spd. | Speed |
| Spec. | Special |
| Sta. | Station |
| Std. | Standard |
| Sys. | System |
| T/C | Turbocharged |
| Tach | Tachometer |
| TBI | Throttle Body Injection |
| Temp. | Temperature |
| TPI | Tuned Port Injection |
| Trans. | Transmission |
| Trk. | Truck |
| TTY | Torque-to-Yield |
| TURBO | Turbocharged |
| U/S | Under Size |
| Veh. | Vehicle |
| VIN | Vehicle Identification Number |
| Vlv. | Valve |
| VSS | Valve Stem Seal |
| w/ | With |
| w/o | Without |
| Wagon | Station Wagon |
| Wt. | Weight |



Conversion Tables

Decimal Equivalents

Global Technology Behind Every Part

| 8THS. | 16THS. | 32NDS. | 64THS. | DECIMALS | mm |
|-----------|-------------|-------------|-------------|----------|-----------|
| | | | 1/64 | .015625 | .396875 |
| | | 1/32 | | .031250 | .793750 |
| | | | 3/64 | .046875 | 1.190625 |
| | 1/16 | | | .062500 | 1.587500 |
| | | | 5/64 | .078125 | 1.984375 |
| | | 3/32 | | .093750 | 2.381250 |
| | | | 7/64 | .109375 | 2.778125 |
| 1/8 | | | | .125000 | 3.175000 |
| | | | 9/64 | .140625 | 3.571875 |
| | | 5/32 | | .156250 | 3.968750 |
| | | | 11/64 | .171875 | 4.365625 |
| | 3/16 | | | .187500 | 4.762500 |
| | | | 13/64 | .203125 | 5.159375 |
| | | 7/32 | | .218750 | 5.556250 |
| | | | 15/64 | .234375 | 5.953125 |
| 1/4 | | | | .250000 | 6.350000 |
| | | | 17/64 | .265625 | 6.746875 |
| | | 9/32 | | .281250 | 7.143750 |
| | | | 19/64 | .296875 | 7.540625 |
| | 5/16 | | | .312500 | 7.937500 |
| | | | 21/64 | .328125 | 8.334375 |
| | | 11/32 | | .343750 | 8.731250 |
| | | | 23/64 | .359375 | 9.128125 |
| 3/8 | | | | .375000 | 9.525000 |
| | | | 25/64 | .390625 | 9.921875 |
| | | 13/32 | | .406250 | 10.318750 |
| | | | 27/64 | .421875 | 10.715625 |
| | 7/16 | | | .437500 | 11.112500 |
| | | | 29/64 | .453125 | 11.509375 |
| | | 15/32 | | .468750 | 11.906250 |
| | | | 31/64 | .484375 | 12.303125 |
| 1/2 | | | | .500000 | 12.700000 |
| | | | 33/64 | .515625 | 13.096875 |
| | | 17/32 | | .531250 | 13.493750 |
| | | | 35/64 | .546875 | 13.890625 |
| | 9/16 | | | .562500 | 14.287500 |
| | | | 37/64 | .578125 | 14.684375 |
| | | 19/32 | | .593750 | 15.081250 |
| | | | 39/64 | .609375 | 15.478125 |
| 5/8 | | | | .625000 | 15.875000 |
| | | | 41/64 | .640625 | 16.271875 |
| | | 21/32 | | .656250 | 16.668750 |
| | | | 43/64 | .671875 | 17.065625 |
| | 11/16 | | | .687500 | 17.462500 |
| | | | 45/64 | .703125 | 17.859375 |
| | | 23/32 | | .718750 | 18.256250 |
| | | | 47/64 | .734375 | 18.653125 |
| 3/4 | | | | .750000 | 19.050000 |
| | | | 49/64 | .765625 | 19.446875 |
| | | 25/32 | | .781250 | 19.843750 |
| | | | 51/64 | .796875 | 20.240625 |
| | 13/16 | | | .812500 | 20.637500 |
| | | | 53/64 | .828125 | 21.034375 |
| | | 27/32 | | .843750 | 21.431250 |
| | | | 55/64 | .859375 | 21.828125 |
| 7/8 | | | | .875000 | 22.225000 |
| | | | 57/64 | .890625 | 22.621875 |
| | | 29/32 | | .906250 | 23.018750 |
| | | | 59/64 | .921875 | 23.415625 |
| | 15/16 | | | .937500 | 23.812500 |
| | | | 61/64 | .953125 | 24.209375 |
| | | 31/32 | | .968750 | 24.606250 |
| | | | 63/64 | .984375 | 25.003125 |
| 1 | | | | 1.000000 | 25.003125 |

Inches to Millimeters

| | |
|------------|----------|
| .001 | 0.0254mm |
| .002 | 0.0508mm |
| .003 | 0.0762mm |
| .004 | 0.1016mm |
| .005 | 0.1270mm |
| .006 | 0.1524mm |
| .007 | 0.1778mm |
| .008 | 0.2032mm |
| .009 | 0.2286mm |
| .010 | 0.2540mm |
| .020 | 0.5080mm |
| .030 | 0.7620mm |
| .040 | 1.0160mm |
| .050 | 1.2700mm |
| .060 | 1.5240mm |
| .070 | 1.7780mm |
| .080 | 2.0320mm |
| .090 | 2.2860mm |
| .100 | 2.5400mm |

Millimeters to Inches

| | |
|---------------|---------|
| 0.025mm | .000984 |
| 0.050mm | .001968 |
| 0.075mm | .002952 |
| 0.100mm | .003937 |
| 0.125mm | .004921 |
| 0.150mm | .005905 |
| 0.175mm | .006889 |
| 0.200mm | .007874 |
| 0.225mm | .008858 |
| 0.250mm | .009842 |
| 0.500mm | .019685 |
| 0.750mm | .029527 |
| 1.000mm | .039370 |
| 1.250mm | .049212 |
| 1.500mm | .059055 |
| 1.750mm | .068897 |
| 2.000mm | .078740 |
| 2.250mm | .088582 |
| 2.500mm | .098425 |

Conversion Formulae

28.349 gm./oz.
453.592 gm./lb.

16.387 cc/in.³
61.024 in.³/L

3.785 L/U.S. gal.
4.546 L/Imp. gal.
0.264 U.S. gal./L
0.220 Imp. gal./L



Warranty

Global Technology Behind Every Part

The products listed in this catalog are warranted to be free from defects in material and workmanship, under normal use and service, for two years from date of installation in an engine, without mileage or hour qualification in accordance with the following limited warranty. This warranty is the sole and exclusive warranty for failure of the above parts. This exclusive remedy shall not be deemed to have failed of its essential purpose so long as Federal-Mogul is willing and able to provide the remedy provided below.

WARRANTY LIMITATIONS

Federal-Mogul agrees to only pay for parts and labor needed to repair engine damages that result from the defined warranty failure. The costs are limited to parts and labor necessary for restoring the engine to its condition immediately prior to the failure. Labor costs are determined by current published rates and standards in the geographic area in which repairs are performed. Overtime or holiday rate charges are not allowed.

We will also pay for maintenance products such as oil, antifreeze, belts, hoses and filter elements that are damaged because of a defined warranty failure.

Federal-Mogul is not responsible for engine failure resulting from owner, operator or third party neglect or abuse, improper installation or repair procedures, alteration or misapplication of parts, failure to properly service or maintain the engine and vehicle in accordance with applicable OEM operation and maintenance manuals or use in engine modified for competition purposes or used in competition.

OTHER THAN AS EXPRESSLY PROVIDED HEREBY, FEDERAL-MOGUL SHALL NOT, UNDER ANY CIRCUMSTANCES, BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, DAMAGE OR LOSS OF OTHER PROPERTY OR EQUIPMENT, LOSS OF PROFITS OR REVENUE, TRANSPORTATION AND TOWING COSTS, COST OF PURCHASED OR REPLACED GOOD, OR CLAIMS OF CUSTOMERS OF THE PURCHASER, WHICH MAY ARISE OR RESULT FROM THE SALE, INSTALLATION, OR USE OF THESE PARTS. Some jurisdictions do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages, so the limitations or exclusions contained herein may or may not apply to you. This warranty gives you specific legal rights. You may also have other rights depending on the state or province in which you reside.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS AND/OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE AND THEY ARE EXCLUDED TO THE EXTENT THEY EXCEED THE WARRANTY COVERAGE DESCRIBED BY THIS WARRANTY.

This warranty and remedy apply to new FP Diesel engine parts from Federal-Mogul sold directly to our authorized aftermarket customers as evidenced by completed claim documentation.

No agent or sales representative of Federal-Mogul Corporation has the authority to modify this warranty. Other Federal-Mogul parts may carry different warranties.

Federal-Mogul must be notified by the customer: (i) before filing a warranty claim, (ii) within one year of the date that the claim accrues, and (iii) before any work has been performed. All claims must be submitted in writing and Federal-Mogul reserves the right to examine all parts, systems and related information associated with the claim. (Note all shipping charges are the responsibility of the end-user or distributor, Federal-Mogul will not accept collect shipments). See your sales representative for detailed claim submission procedures and forms.

Use parts only for applications and interchanges in this catalog.

Failure to heed this warning could result in reduced life or failure of the part. All parts listed in this catalog are not for use in space program, atomic energy/nuclear reactor equipment, medical or aircraft applications.

Federal-Mogul reserves the right to make product improvements/changes, with respect to similar products previously manufactured, without notice and without incurring liability.





Warranty

Global Technology Behind Every Part

Les produits indiqués dans ce catalogue sont garantis contre toute défectuosité de matériel et de fabrication, dans des conditions d'utilisation et d'entretien normales, sur une période de deux ans à partir de la date d'installation dans un moteur, sans qualification de kilométrage ou horaire, conformément à la garantie limitée suivante.

Cette garantie est la garantie unique et exclusive pour la défaillance des pièces précitées.
Ce recours exclusif ne doit pas être présumé comme ayant échoué à son objectif essentiel, tant que Federal-Mogul approuve et est capable de fournir le recours fourni ci-dessous.

LIMITATIONS DE GARANTIE

Federal-Mogul accepte uniquement de payer les pièces et la main-d'œuvre nécessaires pour réparer les dommages de moteur qui résultent de la défaillance de la garantie définie. Les coûts sont limités aux pièces et à la main-d'œuvre nécessaires pour la restauration du moteur à l'état auquel il se trouvait juste avant la défaillance.

Les frais de main-d'œuvre sont déterminés par les prix et normes publiés à l'heure actuelle dans la zone géographique dans laquelle les réparations sont effectuées. Les heures supplémentaires ou les frais de jours fériés ne sont pas permis. Nous payons également les produits d'entretien, tels que l'huile, l'antigel, les courroies, les tuyaux et les éléments de filtre qui sont endommagés en raison d'une défaillance de garantie définie.

Federal-Mogul décline toute responsabilité pour une défaillance de moteur découlant d'une négligence ou d'un abus infligés par le propriétaire, l'opérateur ou une tierce partie, de procédures d'installation ou de réparations incorrectes, de l'altération ou d'une application incorrecte de pièces, d'un manque de réparation ou d'entretien adéquat du moteur et du véhicule conformément aux manuels d'utilisation et d'entretien OEM applicables, ou de l'utilisation dans un moteur modifié à des fins de compétition ou utilisé en compétition.

SAUF SUR SPÉCIFICATION EXPRESSE DANS LA PRÉSENTE, FEDERAL-MOGUL NE SERA RESPONSABLE, EN AUCUNE CIRCONSTANCE, POUR DES DOMMAGES SPÉCIAUX, INDIRECTS, ACCESSOIRES OU CONSÉCUTIFS, Y COMPRIS, SANS S'Y LIMITER, DES DOMMAGES OU LA PERTE D'UNE AUTRE PROPRIÉTÉ OU D'UN AUTRE ÉQUIPEMENT, LA PERTE DE PROFITS OU DE REVENUS, LES FRAIS DE TRANSPORT ET DE REMORQUAGE, LES FRAIS DE BIENS ACHETÉS OU REMPLACÉS, OU LES DEMANDES DE CLIENTS DE L'ACHETEUR, QUI PEUVENT SE PRÉSENTER OU RÉSULTER DE LA VENTE, DE L'INSTALLATION OU DE L'UTILISATION DE CES PIÈCES.

Certaines juridictions ne permettent pas les limites sur la durée d'une garantie implicite, ni l'exclusion ou la limitation de dommages accessoires ou consécutifs, et, par conséquent, les limitations ou exclusions ci-incluses peuvent s'appliquer ou non pour votre cas. Cette garantie vous octroie des droits légaux spécifiques.

Vous disposez également d'autres droits en fonction de l'état ou de la province de votre résidence.
LA PRÉSENTE GARANTIE REMPLACE TOUTES AUTRES GARANTIES, EXPRESSES ET/OU IMPLICITES, Y COMPRIS, SANS S'Y LIMITER, LES GARANTIES DE QUALITÉ MARCHANDE OU D'ADAPTATION À UN USAGE PARTICULIER, ET ELLES SONT EXCLUES SI ELLES DEVAIENT DÉPASSER LA COUVERTURE DE GARANTIE DÉCRITE PAR LA PRÉSENTE GARANTIE.

Cette garantie et le recours s'appliquent aux nouvelles pièces du moteur diesel FP de Federal-Mogul vendu directement à nos clients de pièces de rechange autorisés, tel qu'attesté par les documents de demande dûment remplis. Aucun agent ou représentant de ventes de Federal-Mogul Corporation ne dispose du droit de modifier la présente garantie. D'autres pièces de Federal-Mogul peuvent être couvertes par des garanties différentes.

PROCÉDURES DE DEMANDE

Le client doit notifier Federal-Mogul : (i) avant de remplir une demande au titre de la garantie, (ii) en l'espace d'un an à partir de la date à laquelle la demande est exercée, et (iii) avant l'exécution d'un travail quelconque.

Toutes les demandes doivent être soumises par écrit et Federal-Mogul se réserve le droit d'examiner toutes les pièces, tous les systèmes et toutes les informations associées à la demande.

(Veuillez noter que l'utilisateur final ou le distributeur est responsable pour tous les frais d'expédition; Federal-Mogul n'accepte aucun envoi en port-dû). Veuillez consulter votre représentant des ventes pour les formulaires et les procédures de soumission de demande détaillés.

AVERTISSEMENT

Utilisez uniquement les pièces pour les applications et les échanges de ce catalogue.

Un manque de respect de cet avertissement pourrait résulter en une durée de vie réduite ou une défaillance de la pièce. Aucune des pièces indiquées dans ce catalogue n'est destinée à être utilisée dans un programme d'espace, pour du matériel de réacteur nucléaire/d'énergie atomique, ou des applications médicales ou d'aéronefs.

Federal-Mogul se réserve le droit d'effectuer des améliorations/changements de produits, en ce qui concerne des produits similaires fabriqués auparavant, sans avis et sans assumer de responsabilité.



Warranty

Global Technology Behind Every Part

Se garantiza que todos los productos presentados en este catálogo no presentaran defecto alguno, ya sea en su material ni en su fabricación, bajo condiciones de uso y servicio normales. La garantía es de dos años de la fecha de la instalación en el motor, sin límites en el kilometraje o en las horas de funcionamiento. Esta es la única y exclusiva garantía si alguna de las partes listadas fuese a fallar. Este recurso exclusivo no se tomará como una falta, siempre y cuando Federal Mogul pueda remediarlo con las provisiones enumeradas mas abajo.

LIMITACIONES DE LA GARANTIA

Federal-Mogul pagará solo por las partes y la mano de obra necesarias para reparar daños al motor que resulten de una falla definida sobre la parte vendida. Los costos quedarán limitados a las partes y la mano de obra necesarias para restaurar el motor a la condición en la cual se encontraba inmediatamente antes de la falla. Los costos de la mano de obra se determinarán por medio de precios publicados y estándares del área geográfica en la cual las reparaciones se lleven a cabo. No se permitirá agregar costos de tiempo extra ni por trabajo durante días festivos. Pagaremos por productos de mantenimiento tales como aceite, anti-congelantes, correas, mangueras y filtros dañados debido a alguna falla definida del producto vendido.

Federal-Mogul no se hará responsable por una falla de motor causada por el dueño, operador o un tercero, ya sea por su propia negligencia, abuso o instalación inadecuada o procedimientos de reparación inadecuados, por alteración o aplicación incorrecta de las partes, falta de servicio necesario o mantenimiento del motor o de el vehículo de acuerdo a los manuales de operación y mantenimiento de acuerdo fabricante original, o por la modificación de un motor para su uso en competencias o por haber sido usado en competencias.

FEDERAL-MOGUL NO SERÁ RESPONSABLE, BAJO NINGUNA CIRCUNSTANCIA, OTRO QUE NO SEA LO QUE SE HA MENCIONADO EXPLÍCITAMENTE EN ÉSTA GARANTÍA, POR CUALQUIER DAÑO INDIRECTO, ESPECIAL, ACCIDENTAL O CÓMO CONSECUENCIA DE OTROS DAÑOS, INCLUYENDO, PERO SIN QUE QUÉDE LIMITADO A DAÑOS O PÉRDIDAS DE BIENES O DE EQUIPO, PÉRDIDA DE GANANCIAS O INGRESOS, COSTOS DE GRÚA O TRANSPORTACIÓN, DE PARTES REEMPLAZADAS, O RECLAMOS DE CLIENTES DEL COMPRADOR, QUE PUEDAN RESULTAR DE LA VENTA, INSTALACIÓN, O USO DE ÉSTAS PARTES.

Algunas jurisdicciones no permiten limitaciones con respecto a la duración de garantías implícitas, o a la exclusión o limitación de daños accidentales, por lo tanto puede que las limitaciones o exclusiones contenidas en el presente no le apliquen a Ud. Esta garantía le ofrece derechos específicos. Ud. puede gozar de derechos adicionales dependiendo del estado o provincia en la cual viva.

ÉSTA GARANTIA REEMPLAZARA CUALQUIER Y TODA OTRA GARANTÍA, YA SEA EXPLÍCITA U IMPLÍCITA, INCLUYENDO, PERO NO LIMITANDOSE A GARANTÍAS PARA LA MERCANCÍA Y USO DE LA MISMA CON UN PROPÓSITO EN PARTICULAR, Y ESAS MISMAS QUEDARAN EXCLUIDAS SI EXCEDEN LA COBERTURA DESCRITA EN ÉSTA GARANTÍA.

Esta garantía y recurso aplican a partes nuevas de motores de FP Diésel, vendidas directamente a nuestros clientes autorizados del mercado de reposición, lo cual será corroborado por medio de documentación usada en el reclamo.

Ningún agente o representante de la empresa Federal-Mogul tiene autoridad para modificar ésta garantía.

Otras partes de Federal-Mogul pueden tener garantías diferentes.

PROCEDIMIENTO PARA PRESENTAR UN RECLAMO

Federal-Mogul debe ser notificado por el cliente: (i) antes de presentar un reclamo cubierto en la garantía, (ii) dentro del plazo de un año de ocurrida la falla, y (iii) antes de que se haya hecho algún trabajo.

Todo reclamo debe ser entregado por escrito y Federal-Mogul reserva el derecho a examinar todas las partes, sistemas e información relacionados y asociados al reclamo. (Todo cargo de envío será responsabilidad del usuario final o distribuidor, Federal-Mogul no aceptará envíos a cobrar). Contacte a su representante de ventas para conseguir el formulario de reclamos con el procedimiento detallado.

ADVERTENCIA

Las partes deben ser usadas sólo para las aplicaciones mencionadas en éste catálogo. El no seguir ésta advertencia puede que resulte en que le falle la parte o a que su vida quede reducida. Todas las partes listadas en éste catálogo no están hechas para el uso en programas espaciales, para equipos de energía atómica, o reactores nucleares, o para aplicaciones médicas ni en naves aéreas. Federal-Mogul se reserva el derecho de hacerle mejoras y cambios a los productos, con respecto a productos similares que se hayan fabricado previamente, sin notificación o responsabilidad legal alguna.



| Engine Finding Index | | | | | |
|--|---------|----------|---|-----------|----------|
| Engine | Years | Line No. | Engine | Years | Line No. |
| 2.9L 175 L-HEAD L6 3" Bore (12 Valve) M/D Truck | | 1 | 7.3L 444 OHV Turbo-Diesel V8 4.11" Bore (IDI) M/D Truck | 1993-94 | 34 |
| 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck | | 2 | 7.3L 444 OHV Turbo-Diesel V8 4.11" Bore (DI) M/D Truck | 1994-2003 | 35 |
| 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 1965-68 | 3 | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck | 1975-81 | 36 |
| 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck | | 4 | 7.3L 446 OHV NG V8 4.125" Bore (16 Valve) H/D Truck | 1975-81 | 37 |
| 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 1960-68 | 5 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 1961-73 | 38 |
| 4.1L 250 OHV L6 3.4375" Bore (12 Valve) M/D Truck | | 6 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 1960-74 | 39 |
| 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 1960-68 | 7 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) M/D Truck | 1961-64 | 40 |
| 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 1960-70 | 8 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 1960-64 | 41 |
| 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | | 9 | 7.6L 461 OHV Diesel V8 4.125" Bore (16 Valve) M/D Truck | 1966-73 | 42 |
| 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | | 10 | 7.6L 461 OHV Diesel V8 4.125" Bore (16 Valve) H/D Truck | 1966-73 | 42 |
| 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 1960-71 | 11 | 7.6L 466 OHV Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 1975-83 | 43 |
| 4.6L 282 OHV L6 3.8125" Bore (12 Valve) H/D Truck | 1960-71 | 11 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck | 1975-97 | 44 |
| 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck | 1963-70 | 12 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 1975-97 | 44 |
| 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 1960-75 | 13 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (Intercooled) M/D Truck | 1993-2004 | 45 |
| 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck | 1960-75 | 13 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (Intercooled) H/D Truck | 1993-2004 | 45 |
| 5.0L 304 OHV LPG V8 3.875" Bore (16 Valve) M/D Truck | 1967-74 | 14 | 7.6L 466 OHV Turbo-Diesel L6 4.587" Bore (Big Bore) M/D Truck | 2000-2007 | 46 |
| 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 1960-71 | 15 | 7.6L 466 OHV Turbo-Diesel L6 4.587" Bore (Big Bore) H/D Truck | 2000-2007 | 46 |
| 5.0L 308 OHV L6 3.8125" Bore (12 Valve) H/D Truck | 1960-71 | 15 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 1965-76 | 47 |
| 5.2L 318 OHV L6 3.875" Bore (12 Valve) M/D Truck | | 16 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) M/D Truck | 1961-73 | 48 |
| 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 1961-85 | 17 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck | 1960-74 | 48 |
| 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck | 1961-85 | 17 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) M/D Truck | 1993-97 | 49 |
| 5.7L 345 OHV LPG V8 3.875" Bore (16 Valve) M/D Truck | 1967-74 | 18 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 1993-97 | 49 |
| 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) M/D Truck | 1987-93 | 19 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) M/D Truck | 1995-2005 | 50 |
| 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) H/D Truck | 1987-93 | 19 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) H/D Truck | 1995-2005 | 50 |
| 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck | | 20 | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck | 1977-81 | 51 |
| 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck | 1960-69 | 21 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) M/D Truck | 1961-64 | 52 |
| 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck | 1960-69 | 21 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 1961-76 | 53 |
| 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 1969-85 | 22 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 1969-79 | 54 |
| 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck | 1966-82 | 23 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 1968-79 | 54 |
| 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck | 1949-69 | 24 | 9.0L 549 OHV LPG V8 4.5" Bore (16 Valve) M/D Truck | | 55 |
| 6.6L 401 OHV V8 4.125" Bore (16 Valve) M/D Truck | 1960-64 | 25 | 9.0L 549 OHV LPG V8 4.5" Bore (16 Valve) H/D Truck | | 55 |
| 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 1960-74 | 26 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 1980-88 | 56 |
| 6.6L 404 OHV V8 4.125" Bore (16 Valve) M/D Truck | 1979-81 | 27 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 1980-88 | 56 |
| 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 1975-82 | 28 | 9.3L 570 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) M/D Truck | 2004-2007 | 57 |
| 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck | 1961-74 | 29 | 9.3L 570 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) H/D Truck | 2004-2007 | 57 |
| 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 1960-74 | 30 | 9.3L 570 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) M/D Truck | 2004-2007 | 58 |
| 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck | 1993-97 | 31 | 9.3L 570 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) H/D Truck | 2004-2007 | 58 |
| 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 1993-97 | 31 | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 1968-71 | 59 |
| 6.9L 420 OHV Diesel V8 4" Bore (IDI) M/D Truck | 1980-90 | 32 | 9.4L 573 OHV Turbo-Diesel V8 4.5" Bore (International Tractor Eng.) H/D Truck | 1968-71 | 60 |
| 6.9L 420 OHV Diesel V8 4" Bore (IDI) H/D Truck | 1980-90 | 32 | 9.9L 605 OHV V8 4.625" Bore (16 Valve) H/D Truck | 1977-81 | 61 |
| 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck | 1988-93 | 33 | | | |

(continued on next page)

| Engine Finding Index | | | | | |
|--|---------------|----------|---|-------|----------|
| Engine | Years | Line No. | Engine | Years | Line No. |
| 9.9L 605 OHV NG V8 4.625" Bore (16 Valve) H/D Truck..... | 1977-81 | 62 | 13.1L 800 OHV Diesel V8 5.3125" Bore (16 Valve) H/D Truck.... | | 63 |

| Engine Code Index | | | | | |
|------------------------|--|----------|----------------|---|----------|
| Engine Code | Engine Description | Line No. | Engine Code | Engine Description | Line No. |
| BD220..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | DT466B | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 |
| BD240..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | DT466B | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| BD264..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | DT466C | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 |
| BD269..... | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 9 | DT466C | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| BD282..... | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 11 | DT466E | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (Intercooled) M/D Truck..... | 45 |
| BD282..... | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 11 | DT466E | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (Intercooled) H/D Truck | 45 |
| BD308..... | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 15 | DT466E | 7.6L 466 OHV Turbo-Diesel L6 4.587" Bore (Big Bore) M/D Truck | 46 |
| BD308..... | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 15 | DT466E | 7.6L 466 OHV Turbo-Diesel L6 4.587" Bore (Big Bore) H/D Truck..... | 46 |
| BG220 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | DT466P | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 |
| BG241 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | DT466P | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| BG264 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | DT530E | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) M/D Truck..... | 50 |
| BG265 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | DT530E | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) H/D Truck | 50 |
| BLD250..... | 4.1L 250 OHV L6 3.4375" Bore (12 Valve) M/D Truck..... | 6 | DT570..... | 9.3L 570 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) M/D Truck..... | 57 |
| BLD269..... | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 9 | DT570..... | 9.3L 570 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) H/D Truck | 57 |
| BLD269A | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 9 | DVTI573B | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 59 |
| C605 Natural Gas | 9.9L 605 OHV NG V8 4.625" Bore (16 Valve) H/D Truck..... | 62 | DVTI573B | 9.4L 573 OHV Turbo-Diesel V8 4.5" Bore (International Tractor Eng.) H/D Truck | 60 |
| DTA466 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 | DVT573 | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 59 |
| DTA466 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | DVT573 | 9.4L 573 OHV Turbo-Diesel V8 4.5" Bore (International Tractor Eng.) H/D Truck | 60 |
| DTA466C..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 | DV462..... | 7.6L 461 OHV Diesel V8 4.125" Bore (16 Valve) M/D Truck | 42 |
| DTA466C..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | DV462..... | 7.6L 461 OHV Diesel V8 4.125" Bore (16 Valve) H/D Truck | 42 |
| DTI466B | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 | DV462B | 7.6L 461 OHV Diesel V8 4.125" Bore (16 Valve) M/D Truck | 42 |
| DTI466B | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | DV462B | 7.6L 461 OHV Diesel V8 4.125" Bore (16 Valve) H/D Truck | 42 |
| DTI466C | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 | DV550..... | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 54 |
| DTI466C | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | DV550..... | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| DTI466C | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | DV550B | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 54 |
| DT360..... | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) M/D Truck..... | 19 | DV550B | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| DT360..... | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) H/D Truck | 19 | DV573..... | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 59 |
| DT408..... | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 31 | D150 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 54 |
| DT408..... | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 31 | D150 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| DT466..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 | D170 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 54 |
| DT466..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | D170 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| DT466A | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 | D190 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck..... | 54 |
| DT466A | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | | | |

(continued on next page)

Engine Code Index

| Engine Code | Engine Description | Line No. | Engine Code | Engine Description | Line No. |
|-------------------|--|----------|-------------|--|----------|
| D190 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 | RED318A | 5.2L 318 OHV L6 3.875" Bore (12 Valve) M/D Truck | 16 |
| D301 | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck | 12 | RED361 | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck | 20 |
| D466 | 7.6L 466 OHV Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 43 | RED361A | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck | 20 |
| FAC269 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 10 | RED401 | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck | 24 |
| FTVS549 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) M/D Truck | 52 | RED401A | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck | 24 |
| FTVS549 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | RED401B | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck | 24 |
| FTV549 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) M/D Truck | 52 | RED450 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 |
| FTV549 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | RED450 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 |
| GRD175 | 2.9L 175 L-HEAD L6 3" Bore (12 Valve) M/D Truck | 1 | RED450A | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 |
| GRD175A | 2.9L 175 L-HEAD L6 3" Bore (12 Valve) M/D Truck | 1 | RED450A | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 |
| GRD214 | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck | 2 | SD220 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| GRD214A | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck | 2 | SD240 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| GRD233 | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck | 4 | SD264 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| GRD233A | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck | 4 | U220 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| HT570 | 9.3L 570 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) M/D Truck | 58 | VS401 | 6.6L 401 OHV V8 4.125" Bore (16 Valve) M/D Truck | 25 |
| HT570 | 9.3L 570 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) H/D Truck | 58 | VS401 | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 |
| I530 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) M/D Truck | 49 | VS478 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 |
| I530 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 | VS537 | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck | 51 |
| I530E | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) M/D Truck | 50 | VS549 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) M/D Truck | 52 |
| I530E | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) H/D Truck | 50 | VS549 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 |
| I530P | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) M/D Truck | 49 | VS549 LPG | 9.0L 549 OHV LPG V8 4.5" Bore (16 Valve) M/D Truck | 55 |
| I530P | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 | VS549 LPG | 9.0L 549 OHV LPG V8 4.5" Bore (16 Valve) H/D Truck | 55 |
| MV404 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) M/D Truck | 27 | V266 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| MV404 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 | V304 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| MV446 | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck | 36 | V304 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck | 13 |
| MV446 LPG | 7.3L 446 OHV NG V8 4.125" Bore (16 Valve) H/D Truck | 37 | V304 LPG | 5.0L 304 OHV LPG V8 3.875" Bore (16 Valve) M/D Truck | 14 |
| MV446 Natural Gas | 7.3L 446 OHV NG V8 4.125" Bore (16 Valve) H/D Truck | 37 | V304E | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| RD372 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck | 21 | V304E | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck | 13 |
| RD372 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck | 21 | V304E LPG | 5.0L 304 OHV LPG V8 3.875" Bore (16 Valve) M/D Truck | 14 |
| RD406 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck | 29 | V345 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| RD406 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 | V345 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck | 17 |
| RD450 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 | V345 LPG | 5.7L 345 OHV LPG V8 3.875" Bore (16 Valve) M/D Truck | 18 |
| RD450 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 | V345E | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| RD501 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) M/D Truck | 48 | V345E | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck | 17 |
| RD501 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck | 48 | V345E LPG | 5.7L 345 OHV LPG V8 3.875" Bore (16 Valve) M/D Truck | 18 |
| RED318 | 5.2L 318 OHV L6 3.875" Bore (12 Valve) M/D Truck | 16 | V392 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |

(continued on next page)

| Engine Code Index | | | | | | | |
|-------------------|-------|--|----------|-------------------|-------|---|----------|
| Engine Code | | Engine Description | Line No. | Engine Code | | Engine Description | Line No. |
| V392 | ..... | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck | 23 | V605 | ..... | 9.9L 605 OHV V8 4.625" Bore (16 Valve) H/D Truck | 61 |
| V392E | ..... | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 | V605 Natural Gas | ..... | 9.9L 605 OHV NG V8 4.625" Bore (16 Valve) H/D Truck | 62 |
| V392E | ..... | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck | 23 | V800 | ..... | 13.1L 800 OHV Diesel V8 5.3125" Bore (16 Valve) H/D Truck | 63 |
| V401 | ..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) M/D Truck | 25 | 6.9L Diesel | ..... | 6.9L 420 OHV Diesel V8 4" Bore (IDI) M/D Truck | 32 |
| V401 | ..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 | 6.9L Diesel | ..... | 6.9L 420 OHV Diesel V8 4" Bore (IDI) H/D Truck | 32 |
| V461 | ..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) M/D Truck | 40 | 7.3L Diesel | ..... | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck | 33 |
| V461 | ..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 | 7.3L Turbo-Diesel | .. | 7.3L 444 OHV Turbo-Diesel V8 4.11" Bore (IDI) M/D Truck | 34 |
| V478 | ..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 | 7.3L Turbo-Diesel | .. | 7.3L 444 OHV Turbo-Diesel V8 4.11" Bore (DI) M/D Truck | 35 |
| V537 | ..... | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck | 51 | 9.0L Diesel | ..... | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 56 |
| V549 | ..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) M/D Truck | 52 | 9.0L Diesel | ..... | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 56 |
| V549 | ..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | | | | |
| V549 LPG | ..... | 9.0L 549 OHV LPG V8 4.5" Bore (16 Valve) M/D Truck | 55 | | | | |
| V549 LPG | ..... | 9.0L 549 OHV LPG V8 4.5" Bore (16 Valve) H/D Truck | 55 | | | | |

| Model Index | | | | | | | |
|-------------|-------|---|----------|--------|-------|---|----------|
| Model | | Engine Description | Line No. | Model | | Engine Description | Line No. |
| AB120 | ..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | ACO195 | ..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) M/D Truck | 25 |
| AB120 | ..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | ACO195 | ..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) M/D Truck | 40 |
| AB120 | ..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | ACO195 | ..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) M/D Truck | 52 |
| AB1200 | ..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | ACO200 | ..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 |
| AB1200 | ..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | ACO200 | ..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 |
| AB1200 | ..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | ACO200 | ..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 |
| AB140 | ..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | ACO220 | ..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 |
| AB140 | ..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | ACO220 | ..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 |
| AB140 | ..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | AC150 | ..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| AB1400 | ..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | AC150 | ..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| AB1400 | ..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | AC160 | ..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| AB1400 | ..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | AC160 | ..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| ACOF190 | ..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 | AC170 | ..... | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| ACOF190 | ..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 | AC170 | ..... | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| ACOF190 | ..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | AC180 | ..... | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| ACOF200 | ..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 | AC180 | ..... | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| ACOF200 | ..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | AC1890 | ..... | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| ACO190 | ..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) M/D Truck | 25 | AMC150 | ..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| ACO190 | ..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) M/D Truck | 40 | AMC150 | ..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| ACO190 | ..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) M/D Truck | 52 | AMC160 | ..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |

(continued on next page)

| Model Index | | | | | |
|-------------|--|----------|--------------|---|----------|
| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
| AMC160..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | A130 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| AMC160..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | A130 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 |
| AMC170..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | A132 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| AMC170..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | A132 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| AM120 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | A132 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 |
| AM120 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | A160 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| AM130 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | A160 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| AM130 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | A160 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 |
| AM132 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | A170 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 11 |
| AM132 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | A170 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 15 |
| AM150 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | A180 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 11 |
| AM150 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | A180 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 15 |
| AM160 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | A800 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| AM160 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | BCF170 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| AM160 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | BCF170 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 11 |
| AM170 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | BCF170 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 |
| AM170 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | BCF170 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 15 |
| A100 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | BCF170 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 |
| A100 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | BCF180 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 11 |
| A100 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | BCF180 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 13 |
| A102 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | BCF180 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 15 |
| A102 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | BCF180 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 17 |
| A102 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | BC150..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| A110 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | BC150..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| A110 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | BC150..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 |
| A110 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | BC150..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| A112 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | BC150..... | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck..... | 12 |
| A112 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | BC150..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 |
| A112 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | BC150..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 |
| A120 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | BC160..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| A120 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | BC160..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| A120 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | BC160..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 |
| A122 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | BC160..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| A122 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | BC160..... | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck..... | 12 |
| A122 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | BC160..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 |
| A130 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | BC160..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 |

(continued on next page)

Model Index

| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
|-------------|---|----------|-----------|---|----------|
| BC170..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 | B110..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 |
| BC170..... | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 11 | B110..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| BC170..... | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck..... | 12 | B110..... | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck..... | 12 |
| BC170..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | B110..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 |
| BC170..... | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 15 | B110..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 |
| BC170..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 | B112..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| BC173..... | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 11 | B112..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| BC173..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | B112..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 |
| BC180..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 | B112..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| BC180..... | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 11 | B112..... | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck..... | 12 |
| BC180..... | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck..... | 12 | B112..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 |
| BC180..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | B112..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 |
| BC180..... | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 15 | B120..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| BC180..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 | B120..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| BC1890..... | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 15 | B120..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 |
| BC1890..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 | B120..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| BD110..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | B120..... | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck..... | 12 |
| BD110..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | B120..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 |
| BD110..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 | B120..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 |
| BD110..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | B122..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| B100..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | B122..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| B100..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | B122..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 |
| B100..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | B122..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| B100..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 | B122..... | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck..... | 12 |
| B100..... | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck..... | 12 | B122..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 |
| B100..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | B122..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 |
| B100..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 | B130..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| B102..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | B130..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| B102..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | B130..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 |
| B102..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | B130..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| B102..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 | B130..... | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck..... | 12 |
| B102..... | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck..... | 12 | B130..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 |
| B102..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | B130..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 |
| B102..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 | B132..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| B110..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | B132..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| B110..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | B132..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 |

(continued on next page)

| Model Index | | | | | | | |
|-------------|--|--|----------|----------|--|--|----------|
| Model | | Engine Description | Line No. | Model | | Engine Description | Line No. |
| B132 | | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | B170 | | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| B132 | | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck | 12 | B170 | | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| B132 | | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | B170 | | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| B132 | | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 | B170 | | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| B140 | | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | B173 | | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| B140 | | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | B173 | | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| B140 | | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | B180 | | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| B140 | | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | B180 | | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| B140 | | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck | 12 | B180 | | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck | 12 |
| B140 | | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | B180 | | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| B140 | | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 | B180 | | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| B150 | | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | B180 | | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| B150 | | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | B183 | | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| B150 | | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | B183 | | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| B150 | | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | B183 | | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| B150 | | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck | 12 | B1853 | | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck | 21 |
| B150 | | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | B1890 | | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| B150 | | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 | CH90 | | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| B153 | | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | CMU85 | | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| B153 | | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | CM110 | | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| B153 | | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | CM75 | | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| B153 | | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | CM80 | | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| B153 | | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck | 12 | COF1810A | | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck | 23 |
| B153 | | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | COF1810A | | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 |
| B153 | | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 | COF1810A | | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck | 36 |
| B160 | | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | COF1810B | | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck | 23 |
| B160 | | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | COF1810B | | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 |
| B160 | | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | COF1810B | | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck | 36 |
| B160 | | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | COF190 | | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck | 21 |
| B160 | | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck | 12 | COF190 | | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 |
| B160 | | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | COF190 | | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 |
| B160 | | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 | COF190 | | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck | 48 |
| B163 | | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | COF1910A | | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 |
| B163 | | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | COF1910A | | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| B163 | | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | COF1910A | | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 |
| B170 | | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | COF1910A | | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck | 51 |

(continued on next page)

Model Index

| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
|----------------|--|----------|----------------|---|----------|
| COF1910A..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | COF4000D | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| COF1910A..... | 9.9L 605 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 61 | COF4000D | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 59 |
| COF1910B..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 | COF4000D | 9.4L 573 OHV Turbo-Diesel V8 4.5" Bore (International Tractor Eng.) H/D Truck | 60 |
| COF1910B..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | COF4070A..... | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 59 |
| COF1910B..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | COF4070A..... | 9.4L 573 OHV Turbo-Diesel V8 4.5" Bore (International Tractor Eng.) H/D Truck | 60 |
| COF1910B..... | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 51 | COF4090A..... | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 59 |
| COF1910B..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | COF4090A..... | 9.4L 573 OHV Turbo-Diesel V8 4.5" Bore (International Tractor Eng.) H/D Truck | 60 |
| COF1910B..... | 9.9L 605 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 61 | COF9670 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| COF1950 | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 | COF9670 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 56 |
| COF1950 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | COF9700 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| COF1950 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | COF9700 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 56 |
| COF1950 | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 51 | COT195 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 30 |
| COF1950 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | COT195 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 |
| COF1950 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 | COT195 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 |
| COF1950 | 9.9L 605 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 61 | COT4000 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 |
| COF1950A..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 | COT4000 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| COF1950A..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | COT4000 | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 59 |
| COF1950A..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | COT4000D | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 |
| COF1950A..... | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 51 | COT4000D | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 59 |
| COF1950A..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | COT4000D | 9.4L 573 OHV Turbo-Diesel V8 4.5" Bore (International Tractor Eng.) H/D Truck | 60 |
| COF1950A..... | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 | COT4010 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 |
| COF1950A..... | 9.9L 605 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 61 | COT4010 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| COF1950B..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | CO1600 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 |
| COF1950B..... | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 | CO1600 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| COF1950B..... | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 56 | CO1600 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 |
| COF200 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 21 | CO1610A..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 |
| COF200 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 30 | CO1610A..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| COF200 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 | CO1610A..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 |
| COF200 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 | CO1610B..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 |
| COF205 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 21 | CO1610B..... | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck..... | 22 |
| COF205 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 30 | CO1650B..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 |
| COF205 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 | CO1650B..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| COF205 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 | CO1650B..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 |
| COF4000 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | CO1700 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 13 |
| COF4000 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | CO1700 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 17 |
| COF4000D | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | CO1700 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 23 |

(continued on next page)

| Model Index | | | | | |
|-------------|--|----------|---------|--|----------|
| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
| CO1700 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 | CO1850 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 54 |
| CO1710A | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck | 13 | CO1850 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| CO1710A | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck | 17 | CO1850A | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| CO1710A | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck | 23 | CO1850B | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| CO1710A | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 | CO1850B | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| CO1710B | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck | 23 | CO1850B | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 56 |
| CO1710B | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 | CO1853 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| CO1750 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | CO1853 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 56 |
| CO1750 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | CO190 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck | 21 |
| CO1750 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | CO190 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 |
| CO1750A | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck | 13 | CO190 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 |
| CO1750A | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck | 17 | CO190 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck | 48 |
| CO1750A | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 | CO1910A | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 |
| CO1750B | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 | CO1910A | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| CO1750B | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 56 | CO1910A | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 |
| CO180 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | CO1910A | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck | 51 |
| CO180 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 | CO1910A | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 |
| CO180 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 | CO1910A | 9.9L 605 OHV V8 4.625" Bore (16 Valve) H/D Truck | 61 |
| CO1800 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck | 23 | CO1910B | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 |
| CO1800 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 56 | CO1910B | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| CO1810 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck | 23 | CO1910B | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 |
| CO1810 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 | CO1910B | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck | 51 |
| CO1810 | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck | 36 | CO1910B | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 |
| CO1810A | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck | 23 | CO1910B | 9.9L 605 OHV V8 4.625" Bore (16 Valve) H/D Truck | 61 |
| CO1810A | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 | CO1950 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| CO1810A | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck | 36 | CO1950 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| CO1810A | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | CO1950 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 56 |
| CO1810A | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 | CO1950A | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| CO1810B | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck | 23 | CO1950A | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| CO1810B | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 | CO1950A | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 56 |
| CO1810B | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck | 36 | CO1950B | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| CO184 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | CO1950B | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| CO184 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 | CO1950B | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 56 |
| CO184 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 | CO200 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck | 21 |
| CO1850 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck | 44 | CO200 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 |
| CO1850 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | CO200 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 |

(continued on next page)

Model Index

| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
|---------|---|----------|--------|---|----------|
| CO200 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck | 48 | C1000 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| CO201 | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 | C110 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| CO201 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 | C110 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| CO201 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 | C110 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| CO201 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 | C110 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| CO205 | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 | C1100 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| CO205 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 | C1100 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| CO205 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 | C1100 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| CO205 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 | C1100 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| CO220 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck | 21 | C120 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| CO220 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 | C120 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| CO220 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 | C120 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| CO220 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck | 48 | C120 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| CO225 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck | 21 | C1200 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| CO225 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 | C1200 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| CO225 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 | C1200 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| CO225 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck | 48 | C1200 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| CO4000 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 | C130 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| CO4000 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | C130 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| CO4000D | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 | C130 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| CO4000D | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | C130 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| CO4000D | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 59 | C1300 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| CO4000D | 9.4L 573 OHV Turbo-Diesel V8 4.5" Bore (International Tractor Eng.) H/D Truck | 60 | C1300 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| CO4070 | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 59 | C1300 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| CO4070 | 9.4L 573 OHV Turbo-Diesel V8 4.5" Bore (International Tractor Eng.) H/D Truck | 60 | C1300 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| CO4070A | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 59 | C150 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| CO4070A | 9.4L 573 OHV Turbo-Diesel V8 4.5" Bore (International Tractor Eng.) H/D Truck | 60 | C150 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| CO4070D | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 59 | C150 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| CO4070D | 9.4L 573 OHV Turbo-Diesel V8 4.5" Bore (International Tractor Eng.) H/D Truck | 60 | C150 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| C100 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | C1500 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| C100 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | C1500 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| C100 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | C1500 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| C100 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | C1500 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| C1000 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | C1710B | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 |
| C1000 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | C1710B | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck | 36 |
| C1000 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | C1810B | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 |

(continued on next page)

| Model Index | | | | | |
|--------------|---|----------|--------------|--|----------|
| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
| C1810B..... | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 36 | F1700 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 17 |
| C405 L..... | 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 29 | F1700 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 23 |
| C405 L..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 | F1700 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 28 |
| C405 L..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) M/D Truck..... | 48 | F1700 | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 36 |
| DCF400 | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 59 | F1800 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| DCF400 | 9.4L 573 OHV Turbo-Diesel V8 4.5" Bore (International Tractor Eng.) H/D Truck | 60 | F1800 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 11 |
| DCF405 | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 59 | F1800 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 13 |
| DCF405 | 9.4L 573 OHV Turbo-Diesel V8 4.5" Bore (International Tractor Eng.) H/D Truck | 60 | F1800 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 15 |
| DC400 | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 59 | F1800 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 17 |
| DC400 | 9.4L 573 OHV Turbo-Diesel V8 4.5" Bore (International Tractor Eng.) H/D Truck | 60 | F1800 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 23 |
| DC405 | 9.4L 573 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 59 | F1800 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 28 |
| DC405 | 9.4L 573 OHV Turbo-Diesel V8 4.5" Bore (International Tractor Eng.) H/D Truck | 60 | F1800 | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 36 |
| D1000 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | F1800D..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| D1000 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 | F1800D..... | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 11 |
| D1000 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | F1800D..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 13 |
| D1100 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | F1800D..... | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 15 |
| D1100 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 | F1800D..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 17 |
| D1100 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | F1800D..... | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 23 |
| D1200 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | F1800D..... | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 28 |
| D1200 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 | F1800D..... | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 36 |
| D1200 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | F1810 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| D1300 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | F1810 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 11 |
| D1300 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 | F1810 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 13 |
| D1300 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | F1810 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 15 |
| D1500 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | F1810 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 17 |
| D1500 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 | F1810 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 23 |
| FC402L..... | 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 29 | F1810 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 28 |
| FC402L..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 | F1810 | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 36 |
| FC402L..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) M/D Truck..... | 48 | F1850 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| FC405L..... | 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 29 | F1850 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| FC405L..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 | F1853 S..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| FC405L..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) M/D Truck..... | 48 | F1853 S..... | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 56 |
| F1700 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 | F1890D..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| F1700 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 11 | F1890D..... | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 11 |
| F1700 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 13 | F1890D..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 13 |
| F1700 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 15 | F1890D..... | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 15 |

(continued on next page)

Model Index

| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
|--------------|---|----------|------------------|---|----------|
| F1890D..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 17 | F1954 6 X 6..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 |
| F1890D..... | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 23 | F1954 6 X 6..... | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 56 |
| F1890D..... | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 28 | F2010A..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 |
| F1890D..... | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 36 | F2010A..... | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 30 |
| F1900..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 | F2010A..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 |
| F1900..... | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 30 | F2010A..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 |
| F1900..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 | F2010A..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 |
| F1900..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | F2010A..... | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 51 |
| F1900..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 | F2010A..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| F1900..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | F2010A..... | 9.9L 605 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 61 |
| F1910A..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 | F2050A..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 |
| F1910A..... | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 30 | F2050A..... | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 54 |
| F1910A..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 | F2070A..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 |
| F1910A..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | F2070A..... | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 54 |
| F1924..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 | F210..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 |
| F1924..... | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 11 | F210..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 |
| F1924..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 13 | F210..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 |
| F1924..... | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 15 | F210..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 |
| F1924..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 17 | F210..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| F1924..... | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 23 | F2275..... | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 51 |
| F1924..... | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 28 | F230..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 |
| F1924..... | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 36 | F230..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| F1924 S..... | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 23 | F230D..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| F1924 S..... | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 28 | F230V..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| F1924 S..... | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 36 | F2375 S..... | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) H/D Truck..... | 19 |
| F1950..... | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 30 | F2375 S..... | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 56 |
| F1950..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 | F2524 S..... | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 51 |
| F1950..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | F2554..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 |
| F1950..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 | F2574..... | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 51 |
| F1950..... | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 54 | F2575..... | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 51 |
| F1954..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 | F2624 S..... | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 51 |
| F1954..... | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 54 | F2654..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 |
| F1954..... | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 56 | F2674..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 |
| F1954 S..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 | F2674..... | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 51 |
| F1954 S..... | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 54 | F4200..... | 13.1L 800 OHV Diesel V8 5.3125" Bore (16 Valve) H/D Truck..... | 63 |
| F1954 S..... | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 56 | F4300..... | 13.1L 800 OHV Diesel V8 5.3125" Bore (16 Valve) H/D Truck..... | 63 |

(continued on next page)

| Model Index | | | | | |
|------------------------------|---|----------|--------------------------------|---|----------|
| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
| F4370 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 56 | KBS8 From Ser. No. 641... | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 |
| F5010 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | KB1..... | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 2 |
| F5020A | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 | KB10 From Ser. No. 1538 | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 20 |
| F5050 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 | KB10 From Ser. No. 1538 | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 |
| F5050 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 54 | KB11 From Ser. No. 3639 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 |
| F5050F | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 | KB11F..... | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 |
| F5050SF | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 | KB11F..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 |
| F5050SF | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 54 | KB2..... | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 2 |
| F5070WW..... | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 | KB3..... | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 2 |
| F5070WW..... | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 54 | KB3M..... | 2.9L 175 L-HEAD L6 3" Bore (12 Valve) M/D Truck..... | 1 |
| F9370 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 56 | KB3M..... | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 2 |
| KBR10 From Ser. No. 618..... | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 20 | KB4..... | 2.9L 175 L-HEAD L6 3" Bore (12 Valve) M/D Truck..... | 1 |
| KBR10 From Ser. No. 618..... | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 | KB4..... | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 2 |
| KBR11 | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 20 | KB5..... | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 4 |
| KBR11 | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 | KB5B | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 4 |
| KBR12F..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 | KB5S | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 4 |
| KBR8 From Ser. No. 1976..... | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 20 | KB6..... | 4.1L 250 OHV L6 3.4375" Bore (12 Valve) M/D Truck..... | 6 |
| KBR8 From Ser. No. 1976..... | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 | KB6..... | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 9 |
| KBS10 From Ser. No. 618..... | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 20 | KB6B | 4.1L 250 OHV L6 3.4375" Bore (12 Valve) M/D Truck..... | 6 |
| KBS10 From Ser. No. 618..... | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 | KB6B | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 9 |
| KBS11 | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 | KB6F..... | 4.1L 250 OHV L6 3.4375" Bore (12 Valve) M/D Truck..... | 6 |
| KBS11 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 | KB6F..... | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 9 |
| KBS4 | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 2 | KB7..... | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 9 |
| KBS5 | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 4 | KB8 From Ser. No. 2321 | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 20 |
| KBS6 | 4.1L 250 OHV L6 3.4375" Bore (12 Valve) M/D Truck..... | 6 | KB8 From Ser. No. 2321 | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 |
| KBS6 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 9 | KB8-1 From Ser. No. 2321 | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 20 |
| KBS6T | 4.1L 250 OHV L6 3.4375" Bore (12 Valve) M/D Truck..... | 6 | KB8-1 From Ser. No. 2321 | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 |
| KBS6T | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 9 | KB8F From Ser. No. 641... | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 |
| KBS7 | 4.1L 250 OHV L6 3.4375" Bore (12 Valve) M/D Truck..... | 6 | KB8FAR..... | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 20 |
| KBS7 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 9 | | | |
| KBS8 From Ser. No. 641..... | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 20 | | | |

(continued on next page)

Model Index

| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
|------------------------------|---|----------|-----------------------------|---|----------|
| KB8T..... | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 20 | KS8 From Ser. No. 1976..... | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 |
| KR10 From Ser. No. 1538..... | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 20 | KS8 From Ser. No. 1976..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 |
| KR10 From Ser. No. 1538..... | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 | K1..... | 2.9L 175 L-HEAD L6 3" Bore (12 Valve) M/D Truck..... | 1 |
| KR10 From Ser. No. 1538..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 | K1..... | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 2 |
| KR11 From Ser. No. 3639..... | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 | K1..... | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 4 |
| KR11 From Ser. No. 3639..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 | K1M..... | 2.9L 175 L-HEAD L6 3" Bore (12 Valve) M/D Truck..... | 1 |
| KR8 From Ser. No. 2321..... | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 20 | K1M..... | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 2 |
| KR8 From Ser. No. 2321..... | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 | K1M..... | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 4 |
| KR8 From Ser. No. 2321..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 | K10 From Ser. No. 641..... | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 20 |
| KS10 From Ser. No. 618..... | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 20 | K10 From Ser. No. 641..... | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 |
| KS10 From Ser. No. 618..... | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 | K10 From Ser. No. 641..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 |
| KS10 From Ser. No. 618..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 | K11..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 |
| KS11 From Ser. No. 513..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 | K11F From Ser. No. 604..... | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 24 |
| KS4..... | 2.9L 175 L-HEAD L6 3" Bore (12 Valve) M/D Truck..... | 1 | K11F From Ser. No. 604..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 |
| KS4..... | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 2 | K2..... | 2.9L 175 L-HEAD L6 3" Bore (12 Valve) M/D Truck..... | 1 |
| KS4..... | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 4 | K2..... | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 2 |
| KS5..... | 2.9L 175 L-HEAD L6 3" Bore (12 Valve) M/D Truck..... | 1 | K2..... | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 4 |
| KS5..... | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 2 | K3..... | 2.9L 175 L-HEAD L6 3" Bore (12 Valve) M/D Truck..... | 1 |
| KS5..... | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 4 | K3..... | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 2 |
| KS6..... | 4.1L 250 OHV L6 3.4375" Bore (12 Valve) M/D Truck..... | 6 | K3..... | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 4 |
| KS6..... | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 9 | K3M..... | 2.9L 175 L-HEAD L6 3" Bore (12 Valve) M/D Truck..... | 1 |
| KS6B..... | 4.1L 250 OHV L6 3.4375" Bore (12 Valve) M/D Truck..... | 6 | K3M..... | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 2 |
| KS6B..... | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 9 | K3M..... | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 4 |
| KS6T..... | 4.1L 250 OHV L6 3.4375" Bore (12 Valve) M/D Truck..... | 6 | K4..... | 2.9L 175 L-HEAD L6 3" Bore (12 Valve) M/D Truck..... | 1 |
| KS6T..... | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 9 | K4..... | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 2 |
| KS7..... | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 9 | K4..... | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 4 |
| KS8 From Ser. No. 1976..... | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck..... | 20 | K5..... | 2.9L 175 L-HEAD L6 3" Bore (12 Valve) M/D Truck..... | 1 |
| | | | K5..... | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 2 |
| | | | K5..... | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 4 |
| | | | K5B..... | 2.9L 175 L-HEAD L6 3" Bore (12 Valve) M/D Truck..... | 1 |
| | | | K5B..... | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 2 |
| | | | K5B..... | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck..... | 4 |
| | | | K5M..... | 2.9L 175 L-HEAD L6 3" Bore (12 Valve) M/D Truck..... | 1 |

| Model Index | | | | | |
|------------------------|--|----------|-------|---|----------|
| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
| K5M | 3.5L 214 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck | 2 | LC200 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 |
| K5M | 3.8L 233 L-HEAD L6 3.3125" Bore (12 Valve) M/D Truck | 4 | LF170 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 |
| K6 | 4.1L 250 OHV L6 3.4375" Bore (12 Valve) M/D Truck | 6 | LF175 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 |
| K6 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | LF190 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck | 21 |
| K6B | 4.1L 250 OHV L6 3.4375" Bore (12 Valve) M/D Truck | 6 | LF190 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck | 29 |
| K6B | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | LF190 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 |
| K6F | 4.1L 250 OHV L6 3.4375" Bore (12 Valve) M/D Truck | 6 | LF212 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck | 21 |
| K6F | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | LF212 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck | 29 |
| K6T | 4.1L 250 OHV L6 3.4375" Bore (12 Valve) M/D Truck | 6 | LF212 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 |
| K6T | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | LM120 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| K7 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | LM120 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| K8 From Ser. No. 3234 | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck | 20 | LM121 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| K8 From Ser. No. 3234 | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck | 24 | LM121 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| K8 From Ser. No. 3234 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 | LM122 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| K8-1 From Ser. No. 501 | 5.9L 361 OHV L6 4.125" Bore (12 Valve) M/D Truck | 20 | LM122 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| K8-1 From Ser. No. 501 | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck | 24 | LM150 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| K8-1 From Ser. No. 501 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 | LM150 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| K8F From Ser. No. 872 | 6.6L 401 OHV L6 4.125" Bore (12 Valve) M/D Truck | 24 | LM151 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| LB140 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | LM151 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| LC160 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | LM151 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| LC161 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | LM151 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| LC162 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | LM152 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| LC170 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | LM152 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| LC170 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 | LM153 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| LC180 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | LM153 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| LC180 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 | LM210 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| LC181 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | L110 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| LC181 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 | L110 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| LC182 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | L111 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| LC182 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 | L111 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| LC190 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck | 21 | L112 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| LC190 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 | L112 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| LC200 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck | 21 | L120 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| | | | L120 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| | | | L130 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| | | | L130 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| | | | L150 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| | | | L150 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |

(continued on next page)

Model Index

| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
|--------|---|----------|--------|---|----------|
| L151 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | MC1700 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| L151 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | MC1700 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| L153 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | MC1700 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| L153 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | MC1700 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 |
| L165 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | MC1700 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) M/D Truck | 48 |
| L165 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | MS1210 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| L170 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | M1100 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| L170 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 | M1100 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| L184 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | M1100 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| L184 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 | M1100 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| L185 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck | 21 | M1100 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| L185 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck | 29 | M1100 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| L185 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 | M1200 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| L1853 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | M1200 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| L1853 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck | 21 | M1200 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| L190 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck | 21 | M1200 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| L190 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck | 29 | M1200 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| L190 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 | M1200 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| L212 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck | 21 | M1400 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| L212 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck | 29 | M1400 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| L212 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 | M1400 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| L300 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | M1400 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| L400 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | M1400 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| MA1200 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | M1400 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| MA1500 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | M1400 | 6.9L 420 OHV Diesel V8 4" Bore (IDI) M/D Truck | 32 |
| MA1500 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | M1400 | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck | 33 |
| MA1500 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | M1500 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| MC1600 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | M1500 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| MC1600 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | M1500 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| MC1600 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | M1500 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| MC1600 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | M1500 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| MC1600 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | M1500 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| MC1600 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 | M1600 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| MC1700 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | M1600 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| MC1700 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | M1600 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| MC1700 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | M1600 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |

(continued on next page)

| Model Index | | | | | |
|----------------|---|----------|----------------|---|----------|
| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
| M1600..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | M6123-10 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| M1600..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 | M6123-10 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| M1600..... | 6.9L 420 OHV Diesel V8 4" Bore (IDI) M/D Truck..... | 32 | M6123-50 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 |
| M1600..... | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck..... | 33 | M6123-50 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| M1700..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | M6123-50 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| M1700..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | M613..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 |
| M1700..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 | M613..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 |
| M1700..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 | M613..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 |
| M1700..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | M613..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| M1700..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 | M623..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 |
| M1700..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 | M623..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 |
| M1700..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) M/D Truck..... | 48 | M623..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 |
| M412-CBE..... | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 30 | M623..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| M412-CBE..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 | M623-CBE..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 |
| M412-CBE..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | M623-CBE..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 |
| M412-CBE..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | M623-CBE..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 |
| M412-CBE..... | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 | M623-CBE..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 |
| M412-10 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 30 | M623-CBE..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| M412-10 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 | M623-CBE..... | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| M412-10 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | M623-10 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 |
| M412-10 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 | M623-10 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 |
| M412-10 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | M623-10 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 |
| M412-50 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 | M623-10 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 |
| M6123..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 | M623-10 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| M6123..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | M623-50 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| M6123..... | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 | M700..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| M6123-CBE..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 | M700..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| M6123-CBE..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 | M700..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 |
| M6123-CBE..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | M700..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| M6123-CBE..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 | M700..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 |
| M6123-CBE..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | M700..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 |
| M6123-CBE..... | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 | M800..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| M6123-10 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 | M800..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| M6123-10 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 | M800..... | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck..... | 7 |
| M6123-10 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | M800..... | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck..... | 8 |
| M6123-10 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 | M800..... | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 |

(continued on next page)

Model Index

| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
|----------------|--|----------|------------|--|----------|
| M800..... | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 | RF200..... | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 30 |
| M8324-CBE..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 | RF200..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 |
| M8324-CBE..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 | RF200..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 |
| M8324-CBE..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 | RF210..... | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 21 |
| M8324-CBE..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | RF210..... | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 30 |
| RA120..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | RF210..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 |
| RA121..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | RF210..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 |
| RA122..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | RF230..... | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 21 |
| RA140..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 | RF230..... | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 30 |
| RB140..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | RF230..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 |
| RC160..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | RF230..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 |
| RC161..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | RM120..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| RC162..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 | RM120..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| RC180..... | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 11 | RM121..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| RC180..... | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 15 | RM121..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| RC181..... | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 11 | RM122..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| RC181..... | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 15 | RM122..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| RC182..... | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 11 | RM160..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| RC182..... | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 15 | RM160..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| RC190..... | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 21 | RT195..... | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 30 |
| RC190..... | 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 29 | RT195..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 |
| RC190..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 | RT195..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 |
| RC200..... | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 21 | R100..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| RC200..... | 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 29 | R100..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| RC200..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 38 | R102..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| RF170..... | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 9 | R102..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| RF170..... | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 11 | R110..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| RF170..... | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 15 | R110..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| RF187..... | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 9 | R111..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| RF187..... | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 11 | R111..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| RF187..... | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 15 | R112..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| RF190..... | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 21 | R112..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| RF190..... | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 30 | R120..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| RF190..... | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 | R120..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |
| RF190..... | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 | R121..... | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 3 |
| RF200..... | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 21 | R121..... | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck..... | 5 |

(continued on next page)

| Model Index | | | | | |
|-------------|---|----------|-------|---|----------|
| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
| R122 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | R190 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 |
| R122 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | R190 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck | 48 |
| R130 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | R200 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck | 21 |
| R130 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | R200 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 |
| R131 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | R200 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 |
| R131 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | R200 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck | 48 |
| R132 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | R210 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck | 21 |
| R132 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | R210 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 |
| R153 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | R210 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 |
| R153 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | R210 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck | 48 |
| R160 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | R225 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck | 21 |
| R160 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | R225 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 |
| R165 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | R225 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 |
| R165 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | R225 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck | 48 |
| R170 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | SA120 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| R170 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 | SA120 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| R170 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 | SA120 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| R1700 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | SA122 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| R1705 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | SA122 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| R184 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 | SA122 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| R184 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 | SC164 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| R184 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 | SC164 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| R185 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck | 21 | SC164 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| R185 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck | 29 | SC180 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| R185 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 | SC180 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| R185 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) M/D Truck | 48 | SC184 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| R1853 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck | 21 | SC184 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| R1853 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck | 29 | SF180 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| R1853 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 | SF180 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| R1853 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) M/D Truck | 48 | SF181 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| R1856 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck | 21 | SF181 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| R1856 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck | 29 | SF182 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| R1856 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 | SF182 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| R1856 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) M/D Truck | 48 | SM120 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 |
| R190 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck | 21 | SM120 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| R190 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 | SM120 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |

(continued on next page)

Model Index

| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
|-------|---|----------|---------|--|----------|
| SM122 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | S166 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| SM122 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | S170 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 |
| SM122 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | S170 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| SM130 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | S1700 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| SM130 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | S1700 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| SM130 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | S1700 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| SM132 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | S1700 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 56 |
| SM132 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | S1705 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| SM132 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | S1705 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| SM162 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | S1705 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| SM162 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | S1705 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 56 |
| SM162 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | S176 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 |
| SM264 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | S176 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| S100 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | S180 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 |
| S100 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | S180 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| S100 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | S180 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| S102 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | S1800 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| S102 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | S1800 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| S102 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | S1800 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck | 44 |
| S110 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | S1800 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 56 |
| S110 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | S1840 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| S110 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | S1853 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck | 21 |
| S112 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | S186 | 4.4L 269 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 9 |
| S112 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | S186 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| S112 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | S186 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| S120 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | S1900 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck | 44 |
| S120 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | S2100 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck | 44 |
| S120 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | TC405L | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 |
| S130 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | T1900 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 |
| S130 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | T1900 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 |
| S130 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | T1900 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck | 48 |
| S132 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | VCOF190 | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 |
| S132 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | VCOF190 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 |
| S132 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | VCOF190 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 |
| S166 | 3.6L 220 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 3 | VCOF190 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 |
| S166 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | VCOF200 | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 |

(continued on next page)

| Model Index | | | | | |
|---------------|---|----------|--------------|---|----------|
| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
| VCOF200..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 | VCO220..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 |
| VCOF200..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | VCO220..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 |
| VCOF200..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | VCO220..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| VCOF405L..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 | VCO225..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 |
| VCOF405L..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 | VCO225..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 |
| VCOF405L..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | VCO225..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 |
| VCOF405L..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | VCO225..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| VCOT195..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 | VCO405..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 |
| VCOT195..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 | VCO405..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 |
| VCOT195..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | VCO405..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 |
| VCOT195..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | VCO405..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| VCOT405..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 | VCO405L..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 |
| VCOT405..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 | VCO405L..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 |
| VCOT405..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | VCO405L..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 |
| VCOT405..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | VCO405L..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| VCOT405L..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 | VF190..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 |
| VCOT405L..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 | VF190..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 |
| VCOT405L..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | VF190..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 |
| VCOT405L..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | VF190..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| VCOT450..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 | VF200..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 |
| VCOT450..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 | VF200..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 |
| VCOT450..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | VF200..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 |
| VCOT450..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | VF200..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| VCO190..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 | VF210..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 |
| VCO190..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 | VF210..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 |
| VCO190..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | VF210..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 |
| VCO190..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | VF210..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| VCO195..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) M/D Truck..... | 25 | VF230..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 |
| VCO195..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) M/D Truck..... | 40 | VF230..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 |
| VCO195..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | VF230..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 |
| VCO195..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) M/D Truck..... | 52 | VF230..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| VCO200..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 | VL90..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 |
| VCO200..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 | VL90..... | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 |
| VCO200..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | VL90..... | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 |
| VCO200..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | VL90..... | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 |
| VCO220..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 | VT195..... | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 26 |

(continued on next page)

Model Index

| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
|-------|---|----------|-------|---|----------|
| VT195 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 | 1000 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| VT195 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 | 1000 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| VT195 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | 1000 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| V190 | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 | 1000 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| V190 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 | 1000A | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| V190 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 | 1000A | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| V190 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | 1000A | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| V195 | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 | 1000A | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| V195 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 | 1000A | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| V195 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 | 1000A | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| V195 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | 1010 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| V200 | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 | 1010 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| V200 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 | 1010 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| V200 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 | 1010 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| V200 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | 1010 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| V210 | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 | 1010 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| V210 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 | 1010A | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| V210 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 | 1010A | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| V210 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | 1010A | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| V220 | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 | 1010A | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| V220 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 | 1010A | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| V220 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 | 1010A | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| V220 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | 1100 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| V225 | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 | 1100 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| V225 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 | 1100 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| V225 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 | 1100 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| V225 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | 1100 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| V230 | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 | 1100 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| V230 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 | 1100A | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| V230 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 | 1100A | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| V230 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | 1100A | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| 100 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | 1100A | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| 100 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 | 1100A | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| 100 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 | 1100A | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| 1000 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | 1100B | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| 1000 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | 1100C | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |

(continued on next page)

| Model Index | | | | | |
|-------------|---|----------|---------|---|----------|
| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
| 1100D | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 | 1300 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| 1100D | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 | 1300 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| 1110 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | 1300 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| 1110 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | 1300 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| 1110 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | 1300 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| 1110 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | 1300A | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| 1110 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 | 1300A | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| 1110 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 | 1300A | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| 1200 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | 1300A | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| 1200 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | 1300A | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| 1200 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | 1300A | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| 1200 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | 1300C | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| 1200 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 | 1300D | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| 1200 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 | 1310 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| 1200A | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | 1310 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| 1200A | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | 1310 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| 1200A | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | 1310 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| 1200A | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | 1310 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| 1200A | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 | 1310 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| 1200A | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 | 1310MHC | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| 1200B | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | 1310MHC | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| 1200C | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | 1452SC | 6.9L 420 OHV Diesel V8 4" Bore (IDI) M/D Truck | 32 |
| 1200D | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | 1452SC | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck | 33 |
| 1210 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | 150 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| 1210 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | 150 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| 1210 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | 150 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| 1210 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | 1500 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| 1210 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 | 1500 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| 1210 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 | 1500 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| 1210 4 X 4 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | 1500 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| 1210 4 X 4 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | 1500 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| 1210 4 X 4 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | 1500 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| 1210 4 X 4 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | 1500A | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 |
| 1210 4 X 4 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 | 1500A | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| 1210 4 X 4 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 | 1500A | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| 1300 | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | 1500A | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |

(continued on next page)

Model Index

| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
|---------|--|----------|------------|---|----------|
| 1500A | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 | 1700 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 |
| 1500A | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 | 1700 | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck | 36 |
| 1500C | 3.9L 240 OHV L6 3.5625" Bore (12 Valve) M/D Truck | 5 | 1700 4 X 4 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 |
| 1500D | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 | 1700 4 X 4 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck | 13 |
| 1510 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | 1700 4 X 4 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck | 17 |
| 1510 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 | 1702 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| 1510 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 | 1702 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| 1600 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | 1702 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| 1600 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | 1702 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| 1600 | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck | 12 | 1702 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| 1600 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | 1702 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| 1603 | 4.3L 264 OHV L6 3.6875" Bore (12 Valve) M/D Truck | 7 | 1702 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) M/D Truck | 27 |
| 1603 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 | 1702 | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck | 36 |
| 1603 | 4.9L 301 OHV Diesel L6 3.8125" Bore (12 Valve) M/D Truck | 12 | 1703 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| 1603 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 | 1703 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| 1610B | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck | 17 | 1703 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| 1610FC | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck | 17 | 1703 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| 1610FL | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck | 17 | 1703 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| 1624 S | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 | 1703 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| 1650 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 54 | 1703 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) M/D Truck | 27 |
| 1650 | 9.0L 549 OHV LPG V8 4.5" Bore (16 Valve) M/D Truck | 55 | 1703 | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck | 36 |
| 1652SC | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) M/D Truck | 19 | 1723 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| 1652SC | 6.9L 420 OHV Diesel V8 4" Bore (IDI) M/D Truck | 32 | 1723 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 11 |
| 1652SC | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck | 33 | 1723 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) H/D Truck | 11 |
| 1652UPS | 6.9L 420 OHV Diesel V8 4" Bore (IDI) M/D Truck | 32 | 1723 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| 1652UPS | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck | 33 | 1723 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck | 13 |
| 1654 | 6.9L 420 OHV Diesel V8 4" Bore (IDI) M/D Truck | 32 | 1723 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck | 15 |
| 1654 | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck | 33 | 1723 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) H/D Truck | 15 |
| 1654 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 56 | 1723 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| 1654LP | 6.9L 420 OHV Diesel V8 4" Bore (IDI) M/D Truck | 32 | 1723 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck | 17 |
| 1654LP | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck | 33 | 1723 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| 1700 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) H/D Truck | 11 | 1723 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck | 23 |
| 1700 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck | 13 | 1723 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) M/D Truck | 27 |
| 1700 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) H/D Truck | 15 | 1723 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 |
| 1700 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck | 17 | 1723 | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck | 36 |
| 1700 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck | 23 | 1724 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |

(continued on next page)

| Model Index | | | | | |
|-------------|---|----------|--------|---|----------|
| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
| 1724 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 11 | 1803 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 13 |
| 1724 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 13 | 1803 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 15 |
| 1724 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 15 | 1803 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 17 |
| 1724 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 | 1803 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 23 |
| 1724 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck..... | 22 | 1803 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 28 |
| 1724 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) M/D Truck..... | 27 | 1803 | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 36 |
| 1724 | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 36 | 1823 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 17 |
| 1724 S | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 11 | 1823 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 23 |
| 1724 S | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 13 | 1823 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 28 |
| 1724 S | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 15 | 1823 | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 36 |
| 1724 S | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 17 | 1824 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck..... | 17 |
| 1724 S | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 23 | 1824 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck..... | 22 |
| 1724 S | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 28 | 1824 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) M/D Truck..... | 27 |
| 1724 S | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 36 | 1824 S | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 17 |
| 173FC | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 11 | 1824 S | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 23 |
| 173FC | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 15 | 1824 S | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 28 |
| 1750 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 | 1824 S | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 36 |
| 1750 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck..... | 54 | 183FC | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 11 |
| 1750 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck..... | 56 | 183FC | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) M/D Truck..... | 15 |
| 1753 | 6.9L 420 OHV Diesel V8 4" Bore (IDI) M/D Truck..... | 32 | 183RE | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 17 |
| 1753 | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck..... | 33 | 183RE | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 23 |
| 1753 S | 6.9L 420 OHV Diesel V8 4" Bore (IDI) H/D Truck..... | 32 | 1850 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 |
| 1754 | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) M/D Truck..... | 19 | 1850 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 54 |
| 1754 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 | 1850 | 9.0L 549 OHV LPG V8 4.5" Bore (16 Valve) H/D Truck..... | 55 |
| 1754 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck..... | 54 | 1853 | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) M/D Truck..... | 19 |
| 1754 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck..... | 56 | 1853 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 21 |
| 1754 S | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 54 | 1853 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck..... | 22 |
| 1754 S | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck..... | 56 | 1853 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck..... | 29 |
| 1800 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 11 | 1853 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 |
| 1800 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 13 | 1853 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck..... | 54 |
| 1800 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 15 | 1853 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck..... | 56 |
| 1800 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck..... | 17 | 1853 S | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 21 |
| 1800 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 23 | 1853 S | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 23 |
| 1800 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 28 | 1853 S | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 30 |
| 1800 | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 36 | 1853 S | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 |
| 1803 | 4.6L 282 OHV L6 3.8125" Bore (12 Valve) H/D Truck..... | 11 | 1853 S | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 54 |

(continued on next page)

Model Index

| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
|------------|--|----------|--------|--|----------|
| 1853 S | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 56 | 1954 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck | 44 |
| 1853FC | 6.1L 372 OHV L6 4.375" Bore (12 Valve) M/D Truck | 21 | 1954 S | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| 1853FC | 6.7L 406 OHV L6 4.375" Bore (12 Valve) M/D Truck | 29 | 1955 | 7.6L 466 OHV Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 43 |
| 1853FC | 7.4L 450 OHV L6 4.375" Bore (12 Valve) M/D Truck | 38 | 1955 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck | 44 |
| 1854 | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) M/D Truck | 19 | 1955 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| 1854 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck | 44 | 1955 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 54 |
| 1854 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 54 | 1955 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| 1854 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 56 | 1955 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 56 |
| 1854 S | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | 1955 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 56 |
| 1854 S | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 | 1955 S | 7.6L 466 OHV Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 43 |
| 1854 S | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 56 | 1955 S | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| 1854 4 X 4 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck | 44 | 1955 S | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| 1854 4 X 4 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 54 | 1955 S | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 56 |
| 1854 4 X 4 | 9.0L 551 OHV Diesel V8 4.5" Bore (16 Valve) M/D Truck | 56 | 200 | 5.0L 304 OHV V8 3.875" Bore (16 Valve) M/D Truck | 13 |
| 1890 | 5.0L 308 OHV L6 3.8125" Bore (12 Valve) H/D Truck | 15 | 200 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) M/D Truck | 17 |
| 1890 | 5.7L 345 OHV V8 3.875" Bore (16 Valve) H/D Truck | 17 | 200 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) M/D Truck | 22 |
| 1890 | 6.4L 392 OHV V8 4.125" Bore (16 Valve) H/D Truck | 23 | 2000 | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 |
| 1900 | 6.1L 372 OHV L6 4.375" Bore (12 Valve) H/D Truck | 21 | 2000 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 |
| 1900 | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 | 2000 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 |
| 1900 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 | 2000 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck | 48 |
| 1910A | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 | 2000 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) M/D Truck | 49 |
| 1910A | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 | 2000 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 1924 S | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 | 2000 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) M/D Truck | 50 |
| 1924 S | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck | 36 | 2000 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) H/D Truck | 50 |
| 1925 | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 | 2000 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 |
| 1925 S | 6.6L 404 OHV V8 4.125" Bore (16 Valve) H/D Truck | 28 | 2010A | 6.7L 406 OHV L6 4.375" Bore (12 Valve) H/D Truck | 30 |
| 1925 S | 7.3L 446 OHV V8 4.125" Bore (16 Valve) H/D Truck | 36 | 2010A | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 |
| 193RE | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 | 2010A | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 |
| 193RE | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 | 2010A | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck | 48 |
| 193RE | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 | 2010A | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck | 51 |
| 193RE | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | 2010A | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 |
| 193RE S | 6.6L 401 OHV V8 4.125" Bore (16 Valve) H/D Truck | 26 | 2010A | 9.9L 605 OHV V8 4.625" Bore (16 Valve) H/D Truck | 61 |
| 193RE S | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck | 41 | 2050A | 7.6L 466 OHV Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 43 |
| 193RE S | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck | 47 | 2050A | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| 193RE S | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck | 53 | 2050A | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| 1950 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 | 210 | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck | 39 |

(continued on next page)

| Model Index | | | | | |
|-------------|---|----------|----------|---|----------|
| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
| 210 | 7.6L 461 OHV V8 4.125" Bore (16 Valve) H/D Truck..... | 41 | 2674 6X4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck..... | 49 |
| 210 | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | 3000FE | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 |
| 210 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 | 3400 | 7.3L 444 OHV Turbo-Diesel V8 4.11" Bore (DI) M/D Truck..... | 35 |
| 210 | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | 3400 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 |
| 2110A | 7.4L 450 OHV L6 4.375" Bore (12 Valve) H/D Truck..... | 39 | 3600 | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) M/D Truck..... | 19 |
| 2110A | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | 3600 | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck..... | 33 |
| 2110A | 8.2L 501 OHV L6 4.5" Bore (12 Valve) H/D Truck..... | 48 | 3600SC | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) M/D Truck..... | 19 |
| 2110A | 9.0L 549 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 53 | 3600SC | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 31 |
| 2125 | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 51 | 3600SC | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 31 |
| 2125 | 9.9L 605 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 61 | 3600SC | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck..... | 33 |
| 2125 S | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 51 | 3600SC | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 |
| 2125 S | 9.9L 605 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 61 | 3700 | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) M/D Truck..... | 19 |
| 2150A | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck..... | 54 | 3700 | 6.9L 420 OHV Diesel V8 4" Bore (IDI) M/D Truck..... | 32 |
| 2155 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 | 3700 | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck..... | 33 |
| 2155 S | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 | 3700 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 |
| 220 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) M/D Truck..... | 48 | 3800 | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) M/D Truck..... | 19 |
| 230 | 8.2L 501 OHV L6 4.5" Bore (12 Valve) M/D Truck..... | 48 | 3800 | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 31 |
| 230V | 6.6L 401 OHV V8 4.125" Bore (16 Valve) M/D Truck..... | 25 | 3800 | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 31 |
| 230V | 7.6L 461 OHV V8 4.125" Bore (16 Valve) M/D Truck..... | 40 | 3800 | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck..... | 33 |
| 230V | 7.8L 478 OHV V8 4.5" Bore (16 Valve) H/D Truck..... | 47 | 3800 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 |
| 230V | 9.0L 549 OHV V8 4.5" Bore (16 Valve) M/D Truck..... | 52 | 3800SC | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 31 |
| 2524 | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 51 | 3800SC | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 31 |
| 2524 | 9.9L 605 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 61 | 3800SC | 7.3L 444 OHV Turbo-Diesel V8 4.11" Bore (DI) M/D Truck..... | 35 |
| 2524 S | 8.8L 537 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 51 | 3800SC | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck..... | 44 |
| 2524 S | 9.9L 605 OHV V8 4.625" Bore (16 Valve) H/D Truck..... | 61 | 3900FC | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) H/D Truck..... | 19 |
| 2554 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 | 3900FC | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 |
| 2554 S | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 | 3900FWD | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) H/D Truck..... | 19 |
| 2554 4 X 2 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck..... | 49 | 4200 | 13.1L 800 OHV Diesel V8 5.3125" Bore (16 Valve) H/D Truck..... | 63 |
| 2554 6 X 4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck..... | 49 | 4300 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 |
| 2574 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 | 4300 | 7.6L 466 OHV Turbo-Diesel L6 4.587" Bore (Big Bore) M/D Truck..... | 46 |
| 2574 4X2 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck..... | 49 | 4300 | 7.6L 466 OHV Turbo-Diesel L6 4.587" Bore (Big Bore) H/D Truck..... | 46 |
| 2574 6X4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck..... | 49 | 4300 | 13.1L 800 OHV Diesel V8 5.3125" Bore (16 Valve) H/D Truck..... | 63 |
| 2654 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 | 4400 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck..... | 44 |
| 2654 4X2 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck..... | 49 | 4400 | 7.6L 466 OHV Turbo-Diesel L6 4.587" Bore (Big Bore) M/D Truck..... | 46 |
| 2654 6X4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck..... | 49 | 4400 | 7.6L 466 OHV Turbo-Diesel L6 4.587" Bore (Big Bore) H/D Truck..... | 46 |
| 2674 4X2 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck..... | 49 | 4400 | 9.3L 570 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) M/D Truck..... | 57 |

(continued on next page)

Model Index

| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
|------------|--|----------|-------------|--|----------|
| 4400 | 9.3L 570 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) H/D Truck | 57 | 5000 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) M/D Truck | 49 |
| 4400 6 X 4 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | 5000 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4600 | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck | 33 | 5000 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) M/D Truck | 50 |
| 4600LP | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck | 33 | 5000 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) H/D Truck | 50 |
| 4600UH | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck | 33 | 5000 4 X 4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4700 | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) M/D Truck | 19 | 5000 6 X 4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4700 | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck | 31 | 5000 6 X 6 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4700 | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 31 | 5000SFA 6X4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4700 | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck | 33 | 5050 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| 4700 | 7.3L 444 OHV Turbo-Diesel V8 4.11" Bore (IDI) M/D Truck | 34 | 5050 | 9.0L 549 OHV Diesel V8 4.5" Bore (16 Valve) H/D Truck | 54 |
| 4700 | 7.3L 444 OHV Turbo-Diesel V8 4.11" Bore (DI) M/D Truck | 35 | 5500I 4X4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4700 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck | 44 | 5500I 6X4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4700 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) M/D Truck | 49 | 5500I 6X6 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4700 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 | 5600I 4X4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4700 4 X 2 | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck | 31 | 5600I 6X4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4700 4 X 2 | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 31 | 5600I 6X6 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4700LP | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) M/D Truck | 19 | 5600I 8X4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4700LP | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck | 31 | 5600I 8X6 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4700LP | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 31 | 5600I 8X6 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4700LP | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck | 33 | 7100 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| 4700LP | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck | 44 | 7300 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| 4700LP | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) M/D Truck | 49 | 7300 | 7.6L 466 OHV Turbo-Diesel L6 4.587" Bore (Big Bore) M/D Truck | 46 |
| 4700LP | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 | 7300 | 7.6L 466 OHV Turbo-Diesel L6 4.587" Bore (Big Bore) H/D Truck | 46 |
| 4700LPX | 7.3L 444 OHV Diesel V8 4.11" Bore (IDI) M/D Truck | 33 | 7400 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 |
| 4700LPX | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) M/D Truck | 44 | 7400 | 7.6L 466 OHV Turbo-Diesel L6 4.587" Bore (Big Bore) M/D Truck | 46 |
| 4700LPX | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) M/D Truck | 49 | 7400 | 7.6L 466 OHV Turbo-Diesel L6 4.587" Bore (Big Bore) H/D Truck | 46 |
| 4800 | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) H/D Truck | 19 | 7400 | 9.3L 570 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) M/D Truck | 57 |
| 4800 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | 7400 | 9.3L 570 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) H/D Truck | 57 |
| 4800 4 X 4 | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 31 | 7400 4 X 2 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4900 | 5.9L 360 OHV Turbo-Diesel L6 4.01" Bore (12 Valve) H/D Truck | 19 | 7400 6 X 4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4900 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | 7400 6 X 6 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4900 4 X 2 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) M/D Truck | 49 | 7500 | 9.3L 570 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) M/D Truck | 58 |
| 4900 4 X 2 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 | 7500 | 9.3L 570 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) H/D Truck | 58 |
| 4900 6 X 4 | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 31 | 7500 4 X 2 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4900 6 X 4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 | 7500 6 X 4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 4900 6 X 6 | 6.7L 408 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 31 | | | |

| Model Index | | | | | |
|---------------|--|----------|------------|--|----------|
| Model | Engine Description | Line No. | Model | Engine Description | Line No. |
| 8000 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) M/D Truck | 49 | 8500 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 8000 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 | 8500 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) M/D Truck | 50 |
| 8000 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) M/D Truck | 50 | 8500 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) H/D Truck | 50 |
| 8000 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) H/D Truck | 50 | 8500 | 9.3L 570 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) M/D Truck | 58 |
| 8100 | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | 8500 | 9.3L 570 OHV Turbo-Diesel L6 4.587" Bore (Intercooled) H/D Truck | 58 |
| 8100 4 X 2 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 | 8500 4 X 2 | | |
| 8100 6 X 4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 | SBA | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 8100 6 X 4 CH | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 | 8500 6 X 4 | | |
| 8100CH | 7.6L 466 OHV Turbo-Diesel L6 4.3005" Bore (12 Valve) H/D Truck | 44 | SBA | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 |
| 8200 4 X 2 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 | 900 | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| 8200 6 X 4 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) H/D Truck | 49 | 900A | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| 8500 | 8.7L 530 OHV Turbo-Diesel L6 4.587" Bore (12 Valve) M/D Truck | 49 | 908B | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |
| | | | 908C | 4.4L 266 OHV V8 3.625" Bore (16 Valve) M/D Truck | 8 |

| | | | | |
|--|--|--|--|--|
| M/D Truck GRD175, GRD175A Engs. 1 | | | | |
| 2.9L 175 L-HEAD L6 (12 Valve), 3" Bore | | | | |

| CYL. HEAD & PARTS | | | | |
|----------------------|-------------------------|-------------|------|-------------------------------|
| QTY | VALVE SEAL | PART NO. | SIZE | DESCRIPTION |
| 12 | O-Ring | FP-111024 | | Rubber |
| 12 | Valve Stem Seal Bulk | FP-111024B | | O-Ring; Carton of 100; Rubber |
| ENGINE BLOCK & PARTS | | | | |
| QTY | CAM BEARINGS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | FP-1228M | | |
| CRANKSHAFT/OIL PUMP | | | | |
| QTY | MAIN BEARINGS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | FP-941M | | |
| 1 | Main Set | FP-941M10 | | |
| 1 | Main Set | FP-941M20 | | |
| 1 | Main Set | FP-941M30 | | |
| CYLINDER COMPONENTS | | | | |
| QTY | CONNECTING RODS & BRGS. | PART NO. | SIZE | DESCRIPTION |
| 6 | Rod Pair | FP-2105CP | | |
| 6 | Rod Pair | FP-2105CP10 | | |
| 6 | Rod Pair | FP-2105CP2 | | |
| 6 | Rod Pair | FP-2105CP20 | | |
| 6 | Rod Pair | FP-2105CP30 | | |

| | | | | |
|---|--|--|--|--|
| M/D Truck GRD214, GRD214A Engs. 2 | | | | |
| 3.5L 214 L-HEAD L6 (12 Valve), 3.3125" Bore | | | | |

| CYL. HEAD & PARTS | | | | |
|----------------------|----------------------|------------|----------|------------------------------------|
| QTY | VALVE SEAL | PART NO. | SIZE | DESCRIPTION |
| 12 | O-Ring | FP-111024 | | Rubber |
| 12 | Valve Stem Seal Bulk | FP-111024B | | O-Ring; Carton of 100; Rubber |
| ENGINE BLOCK & PARTS | | | | |
| QTY | CAM BEARINGS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | 1091M | Std Only | |
| CYLINDER COMPONENTS | | | | |
| QTY | PISTONS | PART NO. | SIZE | DESCRIPTION |
| 6 | Pin Bushing | 9219X | | Full round bushing w/1.110" length |
| 6 | Pin Bushing | 9219V | | Split type bushing w/1.120" length |

3 M/D Truck BD220, BG220, SD220, U220 Engs. 3.6L 220 OHV L6 (12 Valve), 3.5625" Bore 1965-68

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|------------------|------|---|
| 6 | Intake | 68-65 | V-1542 Std Only | | 1.6560" Head Dia., .3720" Stem Dia., 5.0860" O.A.L. |
| 6 | Exhaust | 68-65 | V-1327X Std Only | | Rototype; Free valve; 1.5160" Head Dia., .3715" Stem Dia., 4.9910" O.A.L. |
| 24 | Keeper | 68-65 | FP-41339 | | 1 groove; Square cut key groove |
| 24 | Keeper | 68-65 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 24 | Keeper | 68-65 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 24 | Keeper, Bulk | 68-65 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Guide | 68-65 | VG-499 | | .3760" ID, 2.4100" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Spring | 68-65 | VS-389 | | w/o rotocap; 2.6870" Free Height |
| QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Push Rod | 68-65 | FP-RP3127 | | BD Engs.; "A" & "B" Series; 12.6860" O.A.L. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | O-Ring | 68-65 | FP-111024 | | Int.; Rubber |
| 6 | Valve Stem Seal Bulk | 68-65 | FP-111024B | | Int.; O-Ring; Carton of 100; Rubber |

CAMSHAFT GROUP

| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------|-------|-----------|------|------------------------|
| 12 | Lifter | 68-65 | FP-911776 | | Mech.; .997" dia. body |

ENGINE BLOCK & PARTS

| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|--------------|-------|----------|------|-------------|
| 1 | Cam Set | 68-65 | FP-1209M | STD | |

CRANKSHAFT/OIL PUMP

| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------------|-------|----------------|------|--|
| 1 | Redi-Sleeve | 68-65 | 99240 | | |
| 1 | Oil Seal | 68-65 | 472856 | | |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 68-65 | 935M Std-10-20 | | Partial grooved; w/std. oil pump |
| QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Pump | 68-65 | 224-41185 | | Eng. Code "BD220"; Replaces O.E. No. 230421R91 |
| 1 | Pump Repair Kit | 68-65 | 224-51185 | | Eng. Code "BD220" |

CYLINDER COMPONENTS

| QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|--------------|-------|---------------|------|-----------------------|
| 6 | Pin Bushing | 68-65 | 1579V | | |
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Standard Set | 68-65 | E-135X Std-30 | | 1-3/32, 1-1/8, 1-3/16 |

4 M/D Truck GRD233, GRD233A Engs. 3.8L 233 L-HEAD L6 (12 Valve), 3.3125" Bore

CYL. HEAD & PARTS

| QTY | VALVE SEAL | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|------------|------|-------------------------------|
| 12 | O-Ring | FP-111024 | | Rubber |
| 12 | Valve Stem Seal Bulk | FP-111024B | | O-Ring; Carton of 100; Rubber |

ENGINE BLOCK & PARTS

| QTY | CAM BEARINGS | PART NO. | SIZE | DESCRIPTION |
|-----|--------------|----------------|------|-------------|
| 1 | Cam Set | 1091M Std Only | | |

CYLINDER COMPONENTS

| QTY | PISTONS | PART NO. | SIZE | DESCRIPTION |
|-----|-------------|----------|------|------------------------------------|
| 6 | Pin Bushing | 9219X | | Full round bushing w/1.110" length |
| 6 | Pin Bushing | 9219V | | Split type bushing w/1.120" length |

5 M/D Truck BD240, BG241, SD240 Engs. 3.9L 240 OHV L6 (12 Valve), 3.5625" Bore 1960-68

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|--------|-------|-----------------|------|---|
| 6 | Intake | 68-60 | V-1542 Std Only | | SD240 Engs. to Ser. No. 118158; 1.6560" Head Dia., .3720" Stem Dia., 5.0860" O.A.L. |

(continued on next page)

M/D Truck BD240, BG241, SD240 Engs. 5
3.9L 240 OHV L6 (12 Valve), 3.5625" Bore 1960-68 (cont.)

CYL. HEAD & PARTS (cont.)

| QTY | VALVE (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|----------------------|------|--|
| 6 | Intake | 68-60 | FP-V1543 | | SD240 Engs. From Ser. No. 118159; BD240 Engs.; 1.7810" Head Dia., .3720" Stem Dia., 5.0720" O.A.L. |
| 6 | Exhaust | 68-60 | V-1327X Std Only | | Rototype; Free valve; 1.5160" Head Dia., .3715" Stem Dia., 4.9910" O.A.L. |
| 12 | Keeper | 68-60 | FP-41339 | | w/o Rototype Free valve; 1 groove; Square cut key groove |
| 12 | Keeper | 68-60 | VK-138 | | w/o Rototype Free valve; 1 groove; Square cut key groove; Carton pack 32 |
| 12 | Keeper | 68-60 | VK-138R | | w/o Rototype Free valve; 1 groove; Square cut key groove; Hardened |
| 12 | Keeper, Bulk | 68-60 | VK-138B | | w/o Rototype Free valve; 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | Int. | 68-60 | 245-1875-1N Std Only | | Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth |
| 6 | Int. | 68-60 | 245-1875-1 Std Only | | 1.8810" OD, 1.6100" ID, .2485" Depth |
| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Guide | 68-60 | VG-499 | | .3760" ID, 2.4100" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Spring | 68-60 | VS-547 | | Rototype; Free valve; 2.2650" Free Height |
| 12 | Spring | 68-60 | VS-389 | | 2.6870" Free Height |
| QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Push Rod | 68-60 | FP-RP3127 | | 12.6860" O.A.L. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | O-Ring | 68-60 | FP-111024 | | Int.; "A" & "B" Series; Rubber |
| 12 | Valve Stem Seal | 68-60 | FP-156541 | | Installation requires valve guide machining; Polyacrylate |
| 12 | Valve Stem Seal Bulk | 68-60 | ST-2002BC | | Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate |
| 6 | Valve Stem Seal Bulk | 68-60 | FP-111024B | | Int.; "A" & "B" Series; O-Ring; Carton of 100; Rubber |

CAMSHAFT GROUP

| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------|-------|-----------|------|------------------------|
| 12 | Lifter | 68-60 | FP-911776 | | Mech.; .997" dia. body |

ENGINE BLOCK & PARTS

| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|--------------|-------|----------|------|-------------|
| 1 | Cam Set | 68-60 | FP-1209M | STD | |

CRANKSHAFT/OIL PUMP

| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------------|-------|----------------|------|--|
| 1 | Redi-Sleeve | 68-60 | 99272 | | |
| 1 | Oil Seal | 68-60 | 417316 | | |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 68-60 | 935M Std-10-20 | | Partial grooved; w/std. oil pump |
| QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Pump | 68-60 | 224-41185 | | Eng. Code "BD240"; Replaces O.E. No. 230421R91 |
| 1 | Pump Repair Kit | 68-60 | 224-51185 | | Eng. Code "BD240" |

CYLINDER COMPONENTS

| QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|--------------|-------|---------------|------|--|
| 6 | Pin Bushing | 68-60 | 1579V | | |
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Standard Set | 68-60 | E-135X Std-30 | | "A" & "B" Series; Check piston grooving before supplying ring set; 1-3/32, 1-1/8, 1-3/16 |
| 1 | Standard Set | 64-61 | 677X Std Only | | "R" & "S" Series; Check piston grooving before supplying ring set; 1-3/32, 2-1/8, 1-3/16 |

M/D Truck BLD250 Eng. 6
4.1L 250 OHV L6 (12 Valve), 3.4375" Bore

CYL. HEAD & PARTS

| QTY | VALVE | PART NO. | SIZE | DESCRIPTION |
|-----|--------|----------|------|----------------------------|
| 24 | Keeper | VK-63 | | 2 groove; Round key groove |

CYLINDER COMPONENTS

| QTY | PISTONS | PART NO. | SIZE | DESCRIPTION |
|-----|-------------|----------|------|-------------|
| 6 | Pin Bushing | 1269Y | | |

International/Navistar Truck



7 M/D Truck BD264, BG264, BG265, SD264 Engs. 4.3L 264 OHV L6 (12 Valve), 3.6875" Bore 1960-68

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|----------------------|------|---|
| 6 | Intake | 68-60 | FP-V1543 | | 1.7810" Head Dia., .3720" Stem Dia., 5.0720" O.A.L. |
| 6 | Exhaust | 68-60 | V-1327X Std Only | | Rototype; Free valve; 1.5160" Head Dia., .3715" Stem Dia., 4.9910" O.A.L. |
| 24 | Keeper | 68-60 | FP-41339 | | w/o Rototype Free valve; 1 groove; Square cut key groove |
| 24 | Keeper | 68-60 | VK-138 | | w/o Rototype Free valve; 1 groove; Square cut key groove; Carton pack 32 |
| 24 | Keeper | 68-60 | VK-138R | | w/o Rototype Free valve; 1 groove; Square cut key groove; Hardened |
| 24 | Keeper, Bulk | 68-60 | VK-138B | | w/o Rototype Free valve; 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | Int. | 68-60 | 245-1875-1N Std Only | | Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth |
| 6 | Int. | 68-60 | 245-1875-1 Std Only | | 1.8810" OD, 1.6100" ID, .2485" Depth |
| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Guide | 68-60 | VG-499 | | .3760" ID, 2.4100" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Spring | 68-60 | VS-547 | | Rototype; Free valve; 2.2650" Free Height |
| 12 | Spring | 68-60 | VS-389 | | 2.6870" Free Height |
| QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Push Rod | 68-60 | FP-RP3127 | | 12.6860" O.A.L. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | O-Ring | 68-60 | FP-111024 | | Int.; Rubber |
| 12 | Valve Stem Seal | 68-60 | FP-156541 | | Installation requires valve guide machining; Polyacrylate |
| 12 | Valve Stem Seal | 68-60 | FP-MV1902 | | Umbrella type; Rubber |
| 12 | Valve Stem Seal Bulk | 68-60 | ST-2002BC | | Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate |
| 6 | Valve Stem Seal Bulk | 68-60 | FP-111024B | | Int.; O-Ring; Carton of 100; Rubber |

CAMSHAFT GROUP

| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------|-------|-----------|------|------------------------|
| 12 | Lifter | 68-60 | FP-911776 | | Mech.; .997" dia. body |

ENGINE BLOCK & PARTS

| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|--------------|-------|----------|------|-------------|
| 1 | Cam Set | 68-60 | FP-1209M | STD | |

CRANKSHAFT/OIL PUMP

| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------------|-------|----------------|------|--|
| 1 | Redi-Sleeve | 68-60 | 99260 | | |
| 1 | Oil Seal | 68-60 | 410708 | | |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 68-60 | 935M Std-10-20 | | Partial grooved; w/std. oil pump |
| QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Pump | 68-60 | 224-41185 | | Eng. Code "BD264"; Replaces O.E. No. 230421R91 |
| 1 | Pump Repair Kit | 68-60 | 224-51185 | | |

CYLINDER COMPONENTS

| QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------|-------|-----------------|------|---|
| 6 | Repair Sleeve | 68-60 | SL-18M Std Only | | Eng. Codes "BD264" & "BG265"; 3/32" wall, must be cut to correct length |
| QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | Pin Bushing | 68-60 | 1579V | | |
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Premium Set | 68-60 | 5576KX Std-30 | | Eng. Codes "BD264" & "BG265"; "A" & "B" Series; 1-3/32, 1-1/8, 1-3/16 |

8 M/D Truck V266 Eng. 4.4L 266 OHV V8 (16 Valve), 3.625" Bore 1960-70

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|--------------|-------|----------|------|---|
| 32 | Keeper | 70-61 | FP-41339 | | 1 groove; Square cut key groove |
| 32 | Keeper | 70-61 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 32 | Keeper | 70-61 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 32 | Keeper, Bulk | 70-61 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |

(continued on next page)

M/D Truck V266 Eng. 8
4.4L 266 OHV V8 (16 Valve), 3.625" Bore 1960-70 (cont.)

CYL. HEAD & PARTS (cont.)

| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|------------|------|--|
| 16 | Guide | 70-61 | VG-581 | | .3755" ID, 2.9060" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 70-61 | FP-317365 | | Incl. damper; 2.0500" Free Height |
| QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Push Rod | 70-61 | RP-3131 | | Ball & socket type; Use w/fabricated arm w/welded ball; 8.9500" O.A.L. |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | 70-61 | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | 70-61 | FP-443128 | | Exh. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Valve Stem Seal | 70-61 | ST-2004 | | Positive type; Installation requires valve guide machining; Rubber/PTFE |
| 16 | O-Ring | 70-61 | FP-111024 | | Rubber |
| 16 | Valve Stem Seal Bulk | 70-61 | FP-111024B | | O-Ring; Carton of 100; Rubber |
| 16 | Valve Stem Seal Bulk | 70-61 | ST-2004BC | | Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE |
| QTY | ROCKER PARTS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Arm | 70-61 | R-884 | | Int.; Boat type rocker arm; Stamped steel; Use w/Ball & ball end push rod |

CAMSHAFT GROUP

| QTY | TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------|-------|------------------|------|---|
| 1 | Gear Set | 70-60 | 221-3336S | | |
| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Camshaft | 70-60 | CS-415 | | |
| 16 | Lifter | 70-60 | HT-855 Std Only | | Hyd. |
| 16 | Lifter, Bulk | 70-60 | HT-855B Std Only | | Hyd.; Carton of 96 |
| 1 | Prelube | 70-60 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |

COOLING SYSTEM

| QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|------------|-------|-----------|------|-----------------|
| 4 | O-Ring | 70-60 | FP-356005 | | Water pipe seal |

ENGINE BLOCK & PARTS

| QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|----------------|------|-------------|
| 1 | Kit Gasket Set | 70-60 | 260-1075 | | |
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | 70-60 | 1218M Std Only | | |
| QTY | FREEZE PLUGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Brass Block Plug Kit | 70-61 | 381-8083 | | |

CRANKSHAFT/OIL PUMP

| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------------|-------|--------------------|------|--------------------------|
| 1 | Redi-Sleeve | 70-60 | 99248 | | |
| 1 | Oil Seal | 70-60 | 7581H | | |
| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Seal | 70-60 | 2218 | | |
| 1 | Wear Sleeve | 70-60 | FP-1816569 | | |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 70-60 | 4070M Std-10-20-30 | | |
| QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Pump | 68-60 | 224-41187 | | Repl. O.E. No. 151075R93 |
| 1 | Pump Repair Kit | 68-60 | 224-51187 | | |

CYLINDER COMPONENTS

| QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-------------------------|-------|--------------------------|------|---|
| 6 | Repair Sleeve | 70-60 | SL-17M Std Only | | 3/32" wall, must be cut to correct length & notched |
| QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Rod Set | 70-60 | 8-2410CP Std-10-20 | | |
| 8 | Rod Pair | 70-60 | 2410CP Std-2-10-20-30-40 | | |
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Standard Set | 70-61 | 5155X Std Only | | 2-3/32, 1-3/16 |

| | | | | | |
|--|--------------------------------------|--|---|---|---|
| 9 <i>M/D Truck BD269, BLD269, BLD269A Engs.</i> 4.4L 269 OHV L6 (12 Valve), 3.5625" Bore | | | | | |
| CYL. HEAD & PARTS | | | | | |
| | QTY 24 | VALVE Keeper | PART NO. VK-63 | SIZE | DESCRIPTION 2 groove; Round key groove |
| | QTY 6 6 6 6 | VALVE SEAT Exh. Exh. Int. Int. | PART NO. 245-1562-1N Std Only 245-1562-1 Std Only 245-1750-2N Std Only 245-1750-2 Std Only | SIZE | DESCRIPTION Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth 1.5675" OD, 1.3125" ID, .2160" Depth Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth 1.7550" OD, 1.5000" ID, .2160" Depth |
| | QTY 12 12 12 | VALVE SEAL Valve Stem Seal O-Ring Valve Stem Seal Bulk | PART NO. ST-2001 FP-111024 FP-111024B | SIZE | DESCRIPTION BD269 Engs.; Positive type; Installation requires valve guide machining; Rubber/PTFE BD269 Engs. from Ser. No. 64775; Rubber BD269 Engs. from Ser. No. 64775; O-Ring; Carton of 100; Rubber |
| CYLINDER COMPONENTS | | | | | |
| | QTY 6 | PISTONS Pin Bushing | PART NO. 1269Y | SIZE | DESCRIPTION |
| | QTY 1 | PISTON RINGS Standard Set | PART NO. 677X Std Only | SIZE | DESCRIPTION 1-3/32, 2-1/8, 1-3/16 |
| 10 <i>M/D Truck FAC269 Eng.</i> 4.4L 269 OHV L6 (12 Valve), 3.5625" Bore | | | | | |
| CYL. HEAD & PARTS | | | | | |
| | QTY 24 | VALVE Keeper | PART NO. VK-63 | SIZE | DESCRIPTION 2 groove; Round key groove |
| | QTY 6 6 6 6 | VALVE SEAT Exh. Exh. Int. Int. | PART NO. 245-1562-1N Std Only 245-1562-1 Std Only 245-1750-2N Std Only 245-1750-2 Std Only | SIZE | DESCRIPTION Premium Material; 1.5675" OD, 1.3125" ID, .2160" Depth 1.5675" OD, 1.3125" ID, .2160" Depth Premium Material; 1.7550" OD, 1.5000" ID, .2160" Depth 1.7550" OD, 1.5000" ID, .2160" Depth |
| | QTY 6 6 | VALVE SEAL O-Ring Valve Stem Seal Bulk | PART NO. FP-111024 FP-111024B | SIZE | DESCRIPTION Int.; Rubber Int.; O-Ring; Carton of 100; Rubber |
| CYLINDER COMPONENTS | | | | | |
| | QTY 6 | PISTONS Pin Bushing | PART NO. 1269Y | SIZE | DESCRIPTION |
| | QTY 1 | PISTON RINGS Standard Set | PART NO. 677X Std Only | SIZE | DESCRIPTION 1-3/32, 2-1/8, 1-3/16 |
| 11 <i>M/D Truck BD282 Eng. H/D Truck BD282 Eng.</i> 4.6L 282 OHV L6 (12 Valve), 3.8125" Bore 1960-71 | | | | | |
| CYL. HEAD & PARTS | | | | | |
| | QTY 12 12 12 12 | VALVE Keeper Keeper Keeper Keeper, Bulk | YEARS 71-60 71-60 71-60 71-60 | PART NO. FP-41339 VK-138 VK-138R VK-138B | SIZE DESCRIPTION Int.; 1 groove; Square cut key groove Int.; 1 groove; Square cut key groove; Carton pack 32 Int.; 1 groove; Square cut key groove; Hardened Int.; 1 groove; Square cut key groove; Carton of 1000 |
| | QTY 6 6 6 6 | VALVE SEAT Exh. Exh. Int. Int. | YEARS 71-60 71-60 71-60 71-60 | PART NO. 245-1750-3N Std Only 245-1750-3 Std Only 245-1875-1N Std Only 245-1875-1 Std Only | SIZE DESCRIPTION Premium Material; 1.7555" OD, 1.4375" ID, .2160" Depth 1.7555" OD, 1.4375" ID, .2160" Depth Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth 1.8810" OD, 1.6100" ID, .2485" Depth |
| | QTY 6 12 12 6 | VALVE SEAL O-Ring Valve Stem Seal Valve Stem Seal Bulk Valve Stem Seal Bulk | YEARS 71-60 71-60 71-60 71-60 | PART NO. FP-111024 FP-156541 ST-2002BC FP-111024B | SIZE DESCRIPTION Int.; Rubber Installation requires valve guide machining; Polyacrylate Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate Int.; O-Ring; Carton of 100; Rubber |
| CAMSHAFT GROUP | | | | | |
| | QTY 12 | CAMSHAFT/LIFTER Lifter | YEARS 71-60 | PART NO. FP-911776 | SIZE DESCRIPTION Mech.; .997" dia. body |

(continued on next page)

M/D Truck **BD282 Eng.** *H/D Truck* **BD282 Eng.** **11**
4.6L 282 OHV L6 (12 Valve), 3.8125" Bore 1960-71 (cont.)

CYLINDER COMPONENTS

| QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------|-------|-----------------|------|---|
| 1 | Repair Sleeve | 71-60 | SL-93M Std Only | | 3/32" wall, must be cut to correct length |
| QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | Pin Bushing | 71-60 | 1269Y | | Steel back bushing w/2 oil holes |

M/D Truck **D301 Eng.** **12**
4.9L 301 OHV Diesel L6 (12 Valve), 3.8125" Bore 1963-70

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|----------------------|------|---|
| 24 | Keeper | 70-63 | FP-41339 | | 1 groove; Square cut key groove |
| 24 | Keeper | 70-63 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 24 | Keeper | 70-63 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 24 | Keeper, Bulk | 70-63 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | Exh. | 70-63 | FP-24513121 | | 1.3170" OD, 1.0625" ID, .1855" Depth |
| 6 | Exh. | 70-63 | 245-1312-1 Std Only | | 1.3170" OD, 1.0625" ID, .1855" Depth |
| 6 | Exh. | 70-63 | 245-1375-4 Std Only | | 1.3795" OD, 1.1250" ID, .1855" Depth |
| 6 | Int. | 70-63 | 245-1687-2N Std Only | | Premium Material; 1.6925" OD, 1.4375" ID, .2160" Depth |
| 6 | Int. | 70-63 | 245-1687-2 Std Only | | 1.6925" OD, 1.4375" ID, .2160" Depth |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Spring | 70-63 | VS-547 | | From Eng. No. 3229; Rototype; Free valve; 2.2650" Free Height |
| QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Push Rod | 70-63 | FP-RP3127 | | 12.6860" O.A.L. |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | Rotocap | 70-63 | RC-107 | | Exh.; To Eng. No. 3228 |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Valve Stem Seal | 70-63 | MV-1796A | | From Eng. No. 3229; Umbrella type; Fits Std. to .015" O/S valve stem |
| 12 | Valve Stem Seal | 70-63 | FP-1804420 | | From Eng. No. 3229; Umbrella type; Fits Std. to .015" O/S valve stem; Rubber. |
| 12 | Valve Stem Seal | 70-63 | FP-156541 | | Installation requires valve guide machining; Polyacrylate |
| 12 | Valve Stem Seal | 70-63 | FP-MV1902 | | To Eng. No. 3228; Umbrella type; Rubber |
| 12 | Valve Stem Seal Bulk | 70-63 | MV-1796 | | From Eng. No. 3229; Umbrella type; Fits Std. to .015" O/S valve stem; Carton of 100; Rubber |
| 12 | Valve Stem Seal Bulk | 70-63 | ST-2002BC | | Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate |

CAMSHAFT GROUP

| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------|-------|-----------|------|------------------------|
| 12 | Lifter | 70-63 | FP-911776 | | Mech.; .997" dia. body |

ENGINE BLOCK & PARTS

| QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------|-------|----------|------|-------------|
| 1 | Kit Gasket Set | 70-63 | 260-1374 | | |
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | 70-63 | FP-1209M | STD | |

CRANKSHAFT/OIL PUMP

| QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------|-------|-----------|------|-----------------------------|
| 1 | Oil Pump | 70-63 | 224-41185 | | Replaces O.E. No. 230421R91 |
| 1 | Pump Repair Kit | 70-63 | 224-51185 | | |

CYLINDER COMPONENTS

| QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-------------------------|-------|--------------------------|------|---|
| 6 | Repair Sleeve | 70-63 | SL-93M Std Only | | 3/32" wall, must be cut to correct length |
| QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | Rod Pair | 70-63 | 2410CP Std-2-10-20-30-40 | | |

13 M/D Truck V304, V304E Engs. H/D Truck V304, V304E Engs. 5.0L 304 OHV V8 (16 Valve), 3.875" Bore 1960-75

| CYL. HEAD & PARTS | | | | | |
|----------------------|----------------------|-------|--------------------|------|--|
| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Intake | 75-60 | V-2525 Std Only | | Chrome plated stem; 1.9690" Head Dia., .3725" Stem Dia., 5.2230" O.A.L. |
| 8 | Exhaust | 75-60 | V-2524X Std Only | | Chrome plated stem; 1.6090" Head Dia., .3720" Stem Dia., 5.4730" O.A.L. |
| 32 | Keeper | 75-60 | FP-41339 | | 1 groove; Square cut key groove |
| 32 | Keeper | 75-60 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 32 | Keeper | 75-60 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 32 | Keeper, Bulk | 75-60 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Guide | 75-60 | VG-581 | | .3755" ID, 2.9060" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 75-60 | FP-317365 | | Incl. damper; 2.0500" Free Height |
| QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Push Rod | 75-60 | RP-3131 | | Ball & socket type; Use w/fabricated arm w/welded ball; 8.9500" O.A.L. |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | 75-60 | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | 75-60 | FP-443128 | | Exh. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Valve Stem Seal | 75-60 | ST-2004 | | Positive type; Installation requires valve guide machining; Rubber/PTFE |
| 16 | O-Ring | 75-60 | FP-111024 | | Rubber |
| 16 | Valve Stem Seal Bulk | 75-60 | FP-111024B | | O-Ring; Carton of 100; Rubber |
| 16 | Valve Stem Seal Bulk | 75-60 | ST-2004BC | | Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE |
| QTY | ROCKER PARTS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Arm | 75-60 | R-884 | | Int.; Boat type rocker arm; Stamped steel; Use w/Ball & ball end push rod |
| CAMSHAFT GROUP | | | | | |
| QTY | TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Gear Set | 75-60 | 221-3336S | | |
| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Camshaft | 75-60 | CS-415 | | |
| 16 | Lifter | 75-60 | HT-855 Std Only | | Hyd. |
| 16 | Lifter, Bulk | 75-60 | HT-855B Std Only | | Hyd.; Carton of 96 |
| 1 | Prelube | 75-60 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |
| COOLING SYSTEM | | | | | |
| QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 4 | O-Ring | 75-60 | FP-356005 | | Water pipe seal |
| ENGINE BLOCK & PARTS | | | | | |
| QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Kit Gasket Set | 75-60 | 260-1075 | | |
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | 75-60 | 1218M Std Only | | |
| QTY | FREEZE PLUGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Brass Block Plug Kit | 75-61 | 381-8083 | | |
| CRANKSHAFT/OIL PUMP | | | | | |
| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Redi-Sleeve | 75-60 | 99248 | | |
| 1 | Oil Seal | 75-60 | 7581H | | |
| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Seal | 75-60 | 2218 | | |
| 1 | Wear Sleeve | 75-60 | FP-1816569 | | |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 75-60 | 4070M Std-10-20-30 | | |
| QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Pump | 75-60 | 224-41187 | | Repl. O.E. No. 151075R93 |
| 1 | Pump Repair Kit | 75-60 | 224-51187 | | |

(continued on next page)

M/D Truck V304, V304E Engs. H/D Truck V304, V304E Engs. 13 5.0L 304 OHV V8 (16 Valve), 3.875" Bore 1960-75 (cont.)

CYLINDER COMPONENTS

| QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|------------------------------|-------|--------------------------|------|---|
| 8 | Repair Sleeve | 75-60 | SL-20Y Std Only | | 1/8" wall, must be cut to correct length |
| QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Cast Piston | 75-60 | HLC997CP Std-40-60 | | From Chassis No. H668260; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.825" CD, 1.0627" Pin Dia., Flat Head; Low Compression; DUROSHIELD® skirt coated piston |
| 8 | Cast Piston | 75-60 | H997CP Std-20-30-40-60 | | From Chassis No. H668260; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DUROSHIELD® skirt coated piston |
| 8 | Cast Piston - Individual | 75-60 | WH997CP Std-20-30-40-60 | | From Chassis No. H668260; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DUROSHIELD® skirt coated piston |
| QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Rod Set | 75-60 | 8-2410CP Std-10-20 | | |
| 8 | Rod Pair | 75-60 | 2410CP Std-2-10-20-30-40 | | |
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Premium Set | 75-60 | E-270K Std-20-30-40-60 | | 2-3/32, 1-3/16 |
| 1 | Standard Set | 75-60 | E-270X Std-20-30-40-60 | | 2-3/32, 1-3/16 |
| 8 | Premium Single Cylinder Set | 75-60 | WE-270K Std-20-30-40-60 | | 2-3/32, 1-3/16 |
| 8 | Standard Single Cylinder Set | 75-60 | WE-270X Std-30-40-60 | | 2-3/32, 1-3/16 |

KITS

| RE-RING KIT | YEARS | DESCRIPTION | QTY | PREMIUM KIT NO. | QTY | ECONOMY KIT NO. |
|-------------|-------|-----------------|-----|-----------------|-----|-----------------|
| | 75-60 | Re-ring | 1 | 205-670 | | ---- |
| | 75-60 | Re-ring | | ---- | 1 | 205-170 |
| | | Re-ring w/Mains | 1 | 205-670M | 1 | 205-170M |

M/D Truck V304, V304E Engs. (LPG) 14 5.0L 304 OHV LPG V8 (16 Valve), 3.875" Bore 1967-74

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|------------------|------|--|
| 8 | Intake | 74-67 | V-2525 Std Only | | Chrome plated stem; 1.9690" Head Dia., .3725" Stem Dia., 5.2230" O.A.L. |
| 8 | Exhaust | 74-67 | V-2524X Std Only | | Chrome plated stem; 1.6090" Head Dia., .3720" Stem Dia., 5.4730" O.A.L. |
| 32 | Keeper | 74-67 | FP-41339 | | 1 groove; Square cut key groove |
| 32 | Keeper | 74-67 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 32 | Keeper | 74-67 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 32 | Keeper, Bulk | 74-67 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Guide | 74-67 | VG-581 | | .3755" ID, 2.9060" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 74-67 | FP-317365 | | Incl. damper; 2.0500" Free Height |
| QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Push Rod | 74-67 | RP-3131 | | Ball & socket type; Use w/fabricated arm w/welded ball; 8.9500" O.A.L. |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | 74-67 | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | 74-67 | FP-443128 | | Exh. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Valve Stem Seal | 74-67 | ST-2004 | | Positive type; Installation requires valve guide machining; Rubber/PTFE |
| 16 | O-Ring | 74-67 | FP-111024 | | Rubber |
| 16 | Valve Stem Seal Bulk | 74-67 | FP-111024B | | O-Ring; Carton of 100; Rubber |
| 16 | Valve Stem Seal Bulk | 74-67 | ST-2004BC | | Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE |
| QTY | ROCKER PARTS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Arm | 74-67 | R-884 | | Int.; Boat type rocker arm; Stamped steel; Use w/Ball & ball end push rod |

(continued on next page)

International/Navistar Truck



14 M/D Truck V304, V304E Engs. (LPG)
(cont.) 5.0L 304 OHV LPG V8 (16 Valve), 3.875" Bore 1967-74

| CAMSHAFT GROUP | | | | | | |
|--|----------------------------|--|---|---|-----------------|--|
| | QTY 1 | TIMING Gear Set | YEARS 74-67 | PART NO. 221-3336S | SIZE | DESCRIPTION |
| | QTY 1 16 16 1 | CAMSHAFT/LIFTER Camshaft Lifter Lifter, Bulk Prelube | YEARS 74-67 74-67 74-67 74-67 | PART NO. CS-415 HT-855 Std Only HT-855B Std Only 55-400 | SIZE | DESCRIPTION Hyd. Hyd.; Carton of 96 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |
| COOLING SYSTEM | | | | | | |
| | QTY 4 | WATER PUMP O-Ring | YEARS 74-67 | PART NO. FP-356005 | SIZE | DESCRIPTION Water pipe seal |
| ENGINE BLOCK & PARTS | | | | | | |
| | QTY 1 | GASKET SETS Kit Gasket Set | YEARS 74-67 | PART NO. 260-1075 | SIZE | DESCRIPTION Int. manifold gskts. not incl. |
| | QTY 1 | CAM BEARINGS Cam Set | YEARS 74-67 | PART NO. 1218M Std Only | SIZE | DESCRIPTION |
| | QTY 1 | FREEZE PLUGS Brass Block Plug Kit | YEARS 74-67 | PART NO. 381-8083 | SIZE | DESCRIPTION |
| CRANKSHAFT/OIL PUMP | | | | | | |
| | QTY 1 1 | SEALS - FRONT CRANK Redi-Sleeve Oil Seal | YEARS 74-67 74-67 | PART NO. 99248 7581H | SIZE | DESCRIPTION |
| | QTY 1 1 | SEALS - REAR CRANK Oil Seal Wear Sleeve | YEARS 74-67 74-67 | PART NO. 2218 FP-1816569 | SIZE | DESCRIPTION |
| | QTY 1 | MAIN BEARINGS Main Set | YEARS 74-67 | PART NO. 4070M Std-10-20-30 | SIZE | DESCRIPTION |
| | QTY 1 1 | OIL PUMP Oil Pump Pump Repair Kit | YEARS 74-67 74-67 | PART NO. 224-41187 224-51187 | SIZE | DESCRIPTION Repl. O.E. No. 151075R93 |
| CYLINDER COMPONENTS | | | | | | |
| | QTY 8 | LINERS Repair Sleeve | YEARS 74-67 | PART NO. SL-20Y Std Only | SIZE | DESCRIPTION 1/8" wall, must be cut to correct length |
| | QTY 8 8 8 | PISTONS Cast Piston Cast Piston Cast Piston - Individual | YEARS 74-67 74-67 74-67 | PART NO. HLC997CP Std-40-60 H997CP Std-20-30-40-60 WH997CP Std-20-30-40-60 | SIZE | DESCRIPTION From Chassis No. H668260; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.825" CD, 1.0627" Pin Dia., Flat Head; Low Compression; DUROSHIELD® skirt coated piston From Chassis No. H668260; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DUROSHIELD® skirt coated piston From Chassis No. H668260; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DUROSHIELD® skirt coated piston |
| | QTY 1 8 | CONNECTING RODS & BRGS. Rod Set Rod Pair | YEARS 74-67 74-67 | PART NO. 8-2410CP Std-10-20 2410CP Std-2-10-20-30-40 | SIZE | DESCRIPTION |
| | QTY 1 1 8 8 | PISTON RINGS Premium Set Standard Set Premium Single Cylinder Set Standard Single Cylinder Set | YEARS 74-67 74-67 74-67 74-67 | PART NO. E-270K Std-20-30-40-60 E-270X Std-20-30-40-60 WE-270K Std-20-30-40-60 WE-270X Std-30-40-60 | SIZE | DESCRIPTION 2-3/32, 1-3/16 2-3/32, 1-3/16 2-3/32, 1-3/16 2-3/32, 1-3/16 |
| KITS | | | | | | |
| RE-RING KIT | | | | QTY | PREMIUM KIT NO. | QTY ECONOMY KIT NO. |
| YEARS DESCRIPTION | | | | | | |
| 74-67 Int. manifold gskts. not incl. Re-ring | | | | 1 | 205-670 | ----- |

(continued on next page)

| | | | | | |
|--|--|--|--|--|--|
| M/D Truck V304, V304E Engs. (LPG) 14 5.0L 304 OHV LPG V8 (16 Valve), 3.875" Bore 1967-74 (cont.) | | | | | |
|--|--|--|--|--|--|

| KITS (cont.) | | | | | |
|---------------------|-------|--------------------------------|-----|-----------------|-----------------|
| RE-RING KIT (cont.) | YEARS | DESCRIPTION | QTY | PREMIUM KIT NO. | ECONOMY KIT NO. |
| | 74-67 | Int. manifold gskts. not incl. | | | |
| | | Re-ring | | ----- | 1 205-170 |
| | | Re-ring w/Mains | 1 | 205-670M | 1 205-170M |

| | | | | | |
|---|--|--|--|--|--|
| M/D Truck BD308 Eng. H/D Truck BD308 Eng. 15 5.0L 308 OHV L6 (12 Valve), 3.8125" Bore 1960-71 | | | | | |
|---|--|--|--|--|--|

| CYL. HEAD & PARTS | | | | | |
|-------------------|----------------------|-------|----------------------|------|---|
| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Keeper | 71-60 | FP-41339 | | Int.; 1 groove; Square cut key groove |
| 12 | Keeper | 71-60 | VK-138 | | Int.; 1 groove; Square cut key groove; Carton pack 32 |
| 12 | Keeper | 71-60 | VK-138R | | Int.; 1 groove; Square cut key groove; Hardened |
| 12 | Keeper, Bulk | 71-60 | VK-138B | | Int.; 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | Exh. | 71-60 | 245-1750-3N Std Only | | Premium Material; 1.7555" OD, 1.4375" ID, .2160" Depth |
| 6 | Exh. | 71-60 | 245-1750-3 Std Only | | 1.7555" OD, 1.4375" ID, .2160" Depth |
| 6 | Int. | 71-60 | 245-1875-1N Std Only | | Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth |
| 6 | Int. | 71-60 | 245-1875-1 Std Only | | 1.8810" OD, 1.6100" ID, .2485" Depth |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | O-Ring | 71-60 | FP-111024 | | Int.; Rubber |
| 12 | Valve Stem Seal | 71-60 | FP-156541 | | Installation requires valve guide machining; Polyacrylate |
| 12 | Valve Stem Seal Bulk | 71-60 | ST-2002BC | | Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate |
| 6 | Valve Stem Seal Bulk | 71-60 | FP-111024B | | Int.; O-Ring; Carton of 100; Rubber |

| CAMSHAFT GROUP | | | | | |
|----------------|-----------------|-------|-----------|------|------------------------|
| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Lifter | 71-60 | FP-911776 | | Mech.; .997" dia. body |

| CRANKSHAFT/OIL PUMP | | | | | |
|---------------------|---------------------|-------|----------|------|-------------|
| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Redi-Sleeve | 71-60 | 99272 | | |
| 1 | Oil Seal | 71-60 | 417316 | | |

| CYLINDER COMPONENTS | | | | | |
|---------------------|---------------|-------|-----------------|------|---|
| QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | Repair Sleeve | 71-60 | SL-93M Std Only | | 3/32" wall, must be cut to correct length |
| QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | Pin Bushing | 71-60 | 1269Y | | Steel back bushing w/2 oil holes |

| | | | | | |
|--|--|--|--|--|--|
| M/D Truck RED318, RED318A Engs. 16 5.2L 318 OHV L6 (12 Valve), 3.875" Bore | | | | | |
|--|--|--|--|--|--|

| CYL. HEAD & PARTS | | | | | |
|-------------------|----------------------|-------|------------|------|-------------------------------|
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | O-Ring | | FP-111024 | | Rubber |
| 12 | Valve Stem Seal Bulk | | FP-111024B | | O-Ring; Carton of 100; Rubber |

| | | | | | |
|--|--|--|--|--|--|
| M/D Truck V345, V345E Engs. H/D Truck V345, V345E Engs. 17 5.7L 345 OHV V8 (16 Valve), 3.875" Bore 1961-85 | | | | | |
|--|--|--|--|--|--|

| CYL. HEAD & PARTS | | | | | |
|-------------------|--------------|-------|------------------|------|---|
| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Intake | 85-61 | V-2525 Std Only | | Chrome plated stem; 1.9690" Head Dia., .3725" Stem Dia., 5.2230" O.A.L. |
| 8 | Exhaust | 85-61 | V-2524X Std Only | | Chrome plated stem; 1.6090" Head Dia., .3720" Stem Dia., 5.4730" O.A.L. |
| 32 | Keeper | 85-61 | FP-41339 | | 1 groove; Square cut key groove |
| 32 | Keeper | 85-61 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 32 | Keeper | 85-61 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 32 | Keeper, Bulk | 85-61 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Guide | 85-61 | VG-581 | | .3755" ID, 2.9060" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 85-61 | FP-317365 | | Incl. damper; 2.0500" Free Height |

(continued on next page)

International/Navistar Truck



17 M/D Truck V345, V345E Engs. H/D Truck V345, V345E Engs. (cont.) 5.7L 345 OHV V8 (16 Valve), 3.875" Bore 1961-85

| CYL. HEAD & PARTS (cont.) | | | | | |
|---------------------------|----------------------|-------|------------|-----------------|--|
| QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Push Rod | 85-61 | RP-3133 | | Ball & ball type ends; Use w/boat type rocker arms; 9.7790" O.A.L. |
| 16 | Push Rod | 85-61 | RP-3132 | | Ball & socket type; Use w/fabricated arm w/welded ball; 9.7500" O.A.L. |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | 85-61 | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | 85-61 | FP-443128 | | Exh. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Valve Stem Seal | 85-61 | ST-2004 | | Positive type; Installation requires valve guide machining; Rubber/PTFE |
| 16 | O-Ring | 85-61 | FP-111024 | | Rubber |
| 16 | Valve Stem Seal Bulk | 85-61 | FP-111024B | | O-Ring; Carton of 100; Rubber |
| 16 | Valve Stem Seal Bulk | 85-61 | ST-2004BC | | Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE |
| QTY | ROCKER PARTS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Arm | 85-61 | R-884 | | Int.; Boat type rocker arm; Stamped steel; Use w/Ball & ball end push rod |
| CAMSHAFT GROUP | | | | | |
| QTY | TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Gear Set | 85-61 | 221-3336S | | |
| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Camshaft | 85-61 | CS-415 | | |
| 16 | Lifter | 85-61 | HT-855 | Std Only | Hyd. |
| 16 | Lifter, Bulk | 85-61 | HT-855B | Std Only | Hyd.; Carton of 96 |
| 1 | Prelube | 85-61 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |
| COOLING SYSTEM | | | | | |
| QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 4 | O-Ring | 85-61 | FP-356005 | | Water pipe seal |
| ENGINE BLOCK & PARTS | | | | | |
| QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Kit Gasket Set | 85-61 | 260-1075 | | |
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | 85-61 | 1218M | Std Only | |
| QTY | FREEZE PLUGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Brass Block Plug Kit | 85-61 | 381-8083 | | |
| CRANKSHAFT/OIL PUMP | | | | | |
| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Redi-Sleeve | 85-61 | 99248 | | |
| 1 | Oil Seal | 85-61 | 7581H | | |
| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Seal | 85-61 | 2218 | | |
| 1 | Wear Sleeve | 85-61 | FP-1816569 | | |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 85-61 | 4070M | Std-10-20-30 | |
| QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Pump | 85-61 | 224-41187 | | Repl. O.E. No. 151075R93 |
| 1 | Pump Repair Kit | 85-61 | 224-51187 | | To Eng. Ser. No. 1342934 |
| CYLINDER COMPONENTS | | | | | |
| QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Repair Sleeve | 85-61 | SL-20Y | Std Only | 1/8" wall, must be cut to correct length |
| QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Cast Piston | 80-67 | HLC997CP | Std-40-60 | From Chassis No. H765354; /Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.825" CD, 1.0627" Pin Dia., Flat Head; Low Compression; DUROSHIELD® skirt coated piston |
| 8 | Cast Piston | 80-67 | H997CP | Std-20-30-40-60 | From Chassis No. H765354; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DUROSHIELD® skirt coated piston |

(continued on next page)

M/D Truck V345, V345E Engs. H/D Truck V345, V345E Engs. 17 5.7L 345 OHV V8 (16 Valve), 3.875" Bore 1961-85 (cont.)

CYLINDER COMPONENTS (cont.)

| QTY | PISTONS (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|------------------------------|-------|--------------------------|------|--|
| 8 | Cast Piston - Individual | 80-67 | WH997CP Std-20-30-40-60 | | From Chassis No. H765354; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DUROSHIELD® skirt coated piston |
| QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Rod Set | 85-61 | 8-2410CP Std-10-20 | | |
| 8 | Rod Pair | 85-61 | 2410CP Std-2-10-20-30-40 | | |
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Premium Set | 85-61 | E-270K Std-20-30-40-60 | | 2-3/32, 1-3/16 |
| 1 | Standard Set | 85-61 | E-270X Std-20-30-40-60 | | 2-3/32, 1-3/16 |
| 8 | Premium Single Cylinder Set | 85-61 | WE-270K Std-20-30-40-60 | | 2-3/32, 1-3/16 |
| 8 | Standard Single Cylinder Set | 85-61 | WE-270X Std-30-40-60 | | 2-3/32, 1-3/16 |

KITS

| RE-RING KIT YEARS | DESCRIPTION | QTY | PREMIUM KIT NO. | QTY | ECONOMY KIT NO. |
|-------------------|-----------------|-----|-----------------|-----|-----------------|
| 85-61 | Re-ring | 1 | 205-670 | | ---- |
| 85-61 | Re-ring | | ---- | 1 | 205-170 |
| | Re-ring w/Mains | 1 | 205-670M | 1 | 205-170M |

M/D Truck V345, V345E Engs. (LPG) 18 5.7L 345 OHV LPG V8 (16 Valve), 3.875" Bore 1967-74

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|------------------|------|--|
| 8 | Intake | 74-67 | V-2525 Std Only | | Chrome plated stem; 1.9690" Head Dia., .3725" Stem Dia., 5.2230" O.A.L. |
| 8 | Exhaust | 74-67 | V-2524X Std Only | | Chrome plated stem; 1.6090" Head Dia., .3720" Stem Dia., 5.4730" O.A.L. |
| 32 | Keeper | 74-67 | FP-41339 | | 1 groove; Square cut key groove |
| 32 | Keeper | 74-67 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 32 | Keeper | 74-67 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 32 | Keeper, Bulk | 74-67 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Guide | 74-67 | VG-581 | | .3755" ID, 2.9060" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 74-67 | FP-317365 | | Incl. damper; 2.0500" Free Height |
| QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Push Rod | 74-67 | RP-3133 | | Ball & ball type ends; Use w/boat type rocker arms; 9.7790" O.A.L. |
| 16 | Push Rod | 74-67 | RP-3132 | | Ball & socket type; Use w/fabricated arm w/welded ball; 9.7500" O.A.L. |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | 74-67 | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | 74-67 | FP-443128 | | Exh. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Valve Stem Seal | 74-67 | ST-2004 | | Positive type; Installation requires valve guide machining; Rubber/PTFE |
| 16 | O-Ring | 74-67 | FP-111024 | | Rubber |
| 16 | Valve Stem Seal Bulk | 74-67 | FP-111024B | | O-Ring; Carton of 100; Rubber |
| 16 | Valve Stem Seal Bulk | 74-67 | ST-2004BC | | Positive type; Installation requires valve guide machining; Carton of 100; Rubber/PTFE |
| QTY | ROCKER PARTS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Arm | 74-67 | R-884 | | Int.; Boat type rocker arm; Stamped steel; Use w/Ball & ball end push rod |

CAMSHAFT GROUP

| QTY | TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------|-------|-----------------|------|-------------|
| 1 | Gear Set | 74-67 | 221-3336S | | |
| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Camshaft | 74-67 | CS-415 | | |
| 16 | Lifter | 74-67 | HT-855 Std Only | | Hyd. |

(continued on next page)

International/Navistar Truck



18 M/D Truck V345, V345E Engs. (LPG)
(cont.) 5.7L 345 OHV LPG V8 (16 Valve), 3.875" Bore 1967-74

| CAMSHAFT GROUP (cont.) | | | | | | | |
|------------------------|--------------------------------|------------------------------|-------|-----------------|-------------------|---|-----------------|
| | QTY | CAMSHAFT/LIFTER (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION | |
| | 16 | Lifter, Bulk | 74-67 | HT-855B | Std Only | Hyd.; Carton of 96 | |
| | 1 | Prelube | 74-67 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. | |
| COOLING SYSTEM | | | | | | | |
| | QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION | |
| | 4 | O-Ring | 74-67 | FP-356005 | | Water pipe seal | |
| ENGINE BLOCK & PARTS | | | | | | | |
| | QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION | |
| | 1 | Kit Gasket Set | 74-67 | 260-1075 | | Int. manifold gskts. not incl. | |
| | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION | |
| | 1 | Cam Set | 74-67 | 1218M | Std Only | | |
| | QTY | FREEZE PLUGS | YEARS | PART NO. | SIZE | DESCRIPTION | |
| | 1 | Brass Block Plug Kit | 74-67 | 381-8083 | | | |
| CRANKSHAFT/OIL PUMP | | | | | | | |
| | QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION | |
| | 1 | Redi-Sleeve | 74-67 | 99248 | | | |
| | 1 | Oil Seal | 74-67 | 7581H | | | |
| | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION | |
| | 1 | Oil Seal | 74-67 | 2218 | | | |
| | 1 | Wear Sleeve | 74-67 | FP-1816569 | | | |
| | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION | |
| | 1 | Main Set | 74-67 | 4070M | Std-10-20-30 | | |
| | QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION | |
| | 1 | Oil Pump | 74-67 | 224-41187 | | Repl. O.E. No. 151075R93 | |
| | 1 | Pump Repair Kit | 74-67 | 224-51187 | | To Eng. Ser. No. 1342934 | |
| CYLINDER COMPONENTS | | | | | | | |
| | QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION | |
| | 8 | Repair Sleeve | 74-67 | SL-20Y | Std Only | 1/8" wall, must be cut to correct length | |
| | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION | |
| | 8 | Cast Piston | 74-67 | HLC997CP | Std-40-60 | From Chassis No. H765354; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.825" CD, 1.0627" Pin Dia., Flat Head; Low Compression; DUROSHIELD® skirt coated piston | |
| | 8 | Cast Piston | 74-67 | H997CP | Std-20-30-40-60 | From Chassis No. H765354; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DUROSHIELD® skirt coated piston | |
| | 8 | Cast Piston - Individual | 74-67 | WH997CP | Std-20-30-40-60 | From Chassis No. H765354; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.876" CD, 1.0627" Pin Dia., Flat Head; DUROSHIELD® skirt coated piston | |
| | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION | |
| | 1 | Rod Set | 74-67 | 8-2410CP | Std-10-20 | | |
| | 8 | Rod Pair | 74-67 | 2410CP | Std-2-10-20-30-40 | | |
| | QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION | |
| | 1 | Premium Set | 74-67 | E-270K | Std-20-30-40-60 | 2-3/32, 1-3/16 | |
| | 1 | Standard Set | 74-67 | E-270X | Std-20-30-40-60 | 2-3/32, 1-3/16 | |
| | 8 | Premium Single Cylinder Set | 74-67 | WE-270K | Std-20-30-40-60 | 2-3/32, 1-3/16 | |
| | 8 | Standard Single Cylinder Set | 74-67 | WE-270X | Std-30-40-60 | 2-3/32, 1-3/16 | |
| KITS | | | | | | | |
| RE-RING KIT | | | | QTY | PREMIUM KIT NO. | QTY | ECONOMY KIT NO. |
| YEARS | DESCRIPTION | | | | | | |
| 74-67 | Int. manifold gskts. not incl. | | | Re-ring | 1 | 205-670 | ----- |
| 74-67 | Int. manifold gskts. not incl. | | | Re-ring | | | 1 |
| | | | | Re-ring w/Mains | 1 | 205-670M | 1 |
| | | | | | | | 205-170 |
| | | | | | | | 205-170M |



DT-360 Engine

Global Technology Behind Every Part

Overview

The DT-360 diesel engine was first introduced in 1987. It is used in On-Highway truck and bus applications.

The DT-360 can be identified by the permanent engine number stamped on a pad located on the upper left hand side of the engine crankcase, below the intake manifold.

Engine Type Diesel, 4-cycle

Configuration..... In-Line 6-Cylinder

Displacement 360 cu. In. (5.9L)

Bore and Stroke 4.010 x 4.750 in.
(101.9 x 120.65 mm)

Combustion System..... Direct Injection

Total Engine Weight (Dry)..... 1200 lb. (544.3 kg)

DT-360 In-Frame Overhaul – Early engines

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|---------------------|---------------|------|-----------|---------------------------|--------------------------------------|
| FP-IFK-DT360 | FP-1809920 | 6 | | Liner Kit w/o Rings | For engines with S/N 39374 and below |
| | FP-1809919 | 6 | | Ring Set, Single Cylinder | |
| | FP-1823863 | 6 | Std. | Rod Bearing Pair | |
| | FP-1823864 | 6 | 10 | Rod Bearing Pair | |
| | FP-1823865 | 6 | 20 | Rod Bearing Pair | |
| | FP-1823866 | 6 | 30 | Rod Bearing Pair | |
| | FP-1823859 | 1 | Std. | Main Bearing Set | |
| | FP-1823860 | 1 | 10 | Main Bearing Set | |
| | FP-1823861 | 1 | 20 | Main Bearing Set | |
| | PGN360-IF | 1 | 10 | In-Frame Gasket Set | |



DT-360 Engine

Global Technology Behind Every Part

DT-360 In-Frame Overhaul – Late engines

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|---------------|---------------|------|-----------|---------------------------|---------------------------------------|
| FP-IFK-DT360L | FP-1811894 | 6 | | Liner Kit w/o Rings | For engines with S/N 39375 thru 72706 |
| | FP-1815404 | 6 | | Liner Kit w/o Rings | For engines with S/N 72707 thru 90975 |
| | FP-1817250 | 6 | | Liner Kit w/o Rings | For engines with S/N 90976 and above |
| | FP-1809919 | 6 | | Ring Set, Single Cylinder | For engines with S/N 90975 and below |
| | FP-1817251 | 6 | | Ring Set, Single Cylinder | For engines with S/N 90976 and above |
| | FP-1823863 | 6 | Std. | Rod Bearing Pair | |
| | FP-1823864 | 6 | 10 | Rod Bearing Pair | |
| | FP-1823865 | 6 | 20 | Rod Bearing Pair | |
| | FP-1823866 | 1 | 30 | Rod Bearing Pair | |
| | FP-1823859 | 1 | Std. | Main Bearing Set | |
| | FP-1823860 | 1 | 10 | Main Bearing Set | |
| | FP-1823861 | 1 | 20 | Main Bearing Set | |
| | PGN360-IF | 1 | | In-Frame Gasket Set | |

DT-360 Complete Overhaul – Early engines

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|-----------------|---------------|------|-----------|---------------------------|--------------------------------------|
| FP-IFK-DT360-OH | FP-1809920 | 6 | | Liner Kit w/o Rings | For engines with S/N 39374 and below |
| | FP-1809919 | 6 | | Ring Set, Single Cylinder | |
| | FP-1823863 | 6 | Std. | Rod Bearing Pair | |
| | FP-1823864 | 6 | 10 | Rod Bearing Pair | |
| | FP-1823865 | 6 | 20 | Rod Bearing Pair | |
| | FP-1823866 | 1 | 30 | Rod Bearing Pair | |
| | FP-1823859 | 1 | Std. | Main Bearing Set | |
| | FP-1823860 | 1 | 10 | Main Bearing Set | |
| | FP-1823861 | 1 | 20 | Main Bearing Set | |
| | FP-1817256 | | | Overhaul Gasket Set | |





DT-360 Engine

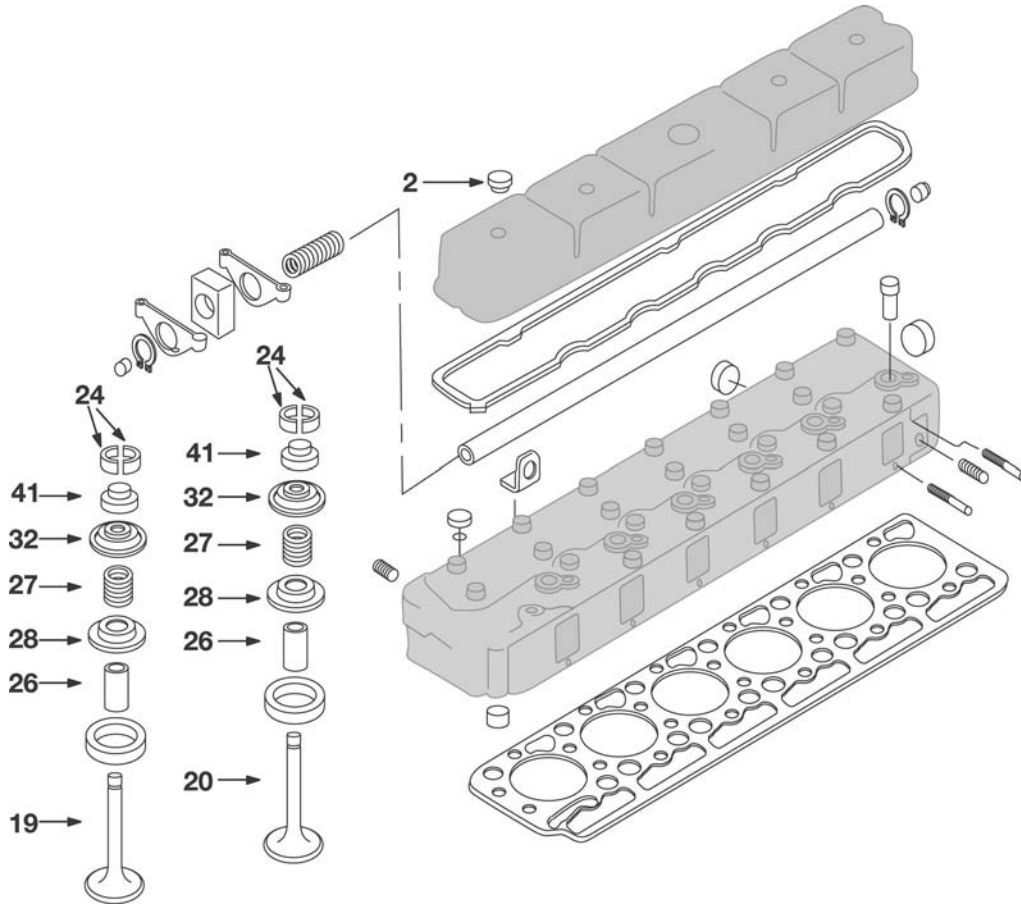
Global Technology Behind Every Part

DT-360 Complete Overhaul – Late engines

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|------------------|---------------|------|-----------|---------------------------|---------------------------------------|
| FP-IFK-DT360L-OH | FP-1811894 | 6 | | Liner Kit w/o Rings | For engines with S/N 39375 thru 72706 |
| | FP-1815404 | 6 | | Liner Kit w/o Rings | For engines with S/N 72707 thru 90975 |
| | FP-1817250 | 6 | | Liner Kit w/o Rings | For engines with S/N 90976 and above |
| | FP-1809919 | 6 | | Ring Set, Single Cylinder | For engines with S/N 90975 and below |
| | FP-1817251 | 6 | | Ring Set, Single Cylinder | For engines with S/N 90976 and above |
| | FP-1823863 | 6 | Std. | Rod Bearing Pair | |
| | FP-1823864 | 6 | 10 | Rod Bearing Pair | |
| | FP-1823865 | 6 | 20 | Rod Bearing Pair | |
| | FP-1823866 | 6 | 30 | Rod Bearing Pair | |
| | FP-1823859 | 1 | Std. | Main Bearing Set | |
| | FP-1823860 | 1 | 10 | Main Bearing Set | |
| | FP-1823861 | 1 | 20 | Main Bearing Set | |
| | FP-1817256 | 1 | | Overhaul Gasket Set | |

19 M/D Truck DT360 Eng. H/D Truck DT360 Eng. 5.9L 360 OHV Turbo-Diesel L6 (12 Valve), 4.01" Bore 1987-93

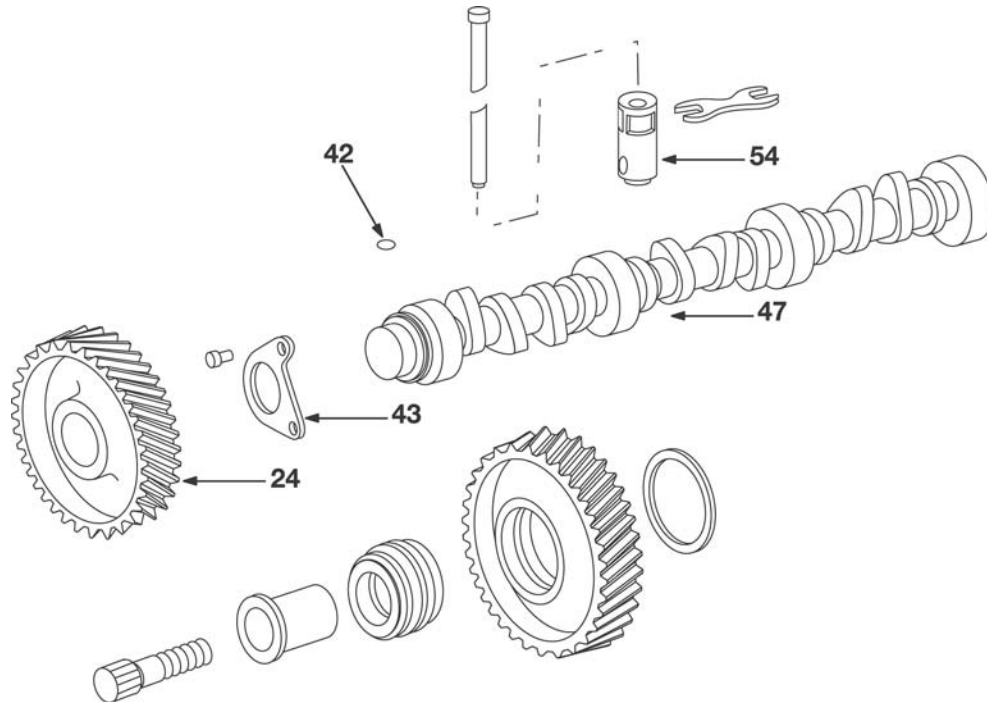
CYL. HEAD & PARTS



| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|---------------------|-----|------------------------|-------|------------|------|---|
| 2 | 6 | Grommet | 93-87 | FP-677692 | | Valve Cover Bolt |
| | 1 | Head Set | 93-87 | FP-1817255 | | |
| REF # | QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 6 | Intake | 93-87 | FP-676687 | | |
| 20 | 6 | Exhaust | 93-87 | FP-1810086 | | |
| 24 | 24 | Keeper | 93-87 | FP-41339 | | 1 groove; Square cut key groove |
| 24 | 24 | Keeper | 93-87 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 24 | 24 | Keeper | 93-87 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 24 | 24 | Keeper, Bulk | 93-87 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| REF # | QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 26 | 12 | Guide | 93 | FP-1815264 | | From Ser. No. 72707; 2.610" O.A.L. |
| 26 | 12 | Guide | 93-87 | FP-675439 | | To Ser. No. 72706; 2.750" O.A.L.; .3745" ID, 2.7500" O.A.L. |
| REF # | QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 12 | Spring | 93-87 | FP-682064 | | 2.3400" Free Height |
| REF # | QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 32 | 6 | Rotocap Assy. | 93-87 | FP-1811581 | | Exh.; To Ser. No. 72706 |
| | 12 | Bushing | 93-87 | FP-1818509 | | Valve Rotator bushing kit; From Ser. No. 98372 |
| REF # | QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 41 | 12 | Valve Stem Seal | 93-87 | FP-1815374 | | From Ser. No. 72707 |
| 41 | 12 | Valve Stem Seal | 93-87 | FP-681234 | | To Ser. No. 72706; Umbrella type |
| INT & EXH MANIFOLDS | | | | | | |
| | QTY | INT. & EXH. MANIFOLDS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Intake Manifold Gasket | 93-87 | FP-682198 | | |

(continued on next page)

M/D Truck DT360 Eng. H/D Truck DT360 Eng. **19**
5.9L 360 OHV Turbo-Diesel L6 (12 Valve), 4.01" Bore 1987-93 (cont.)

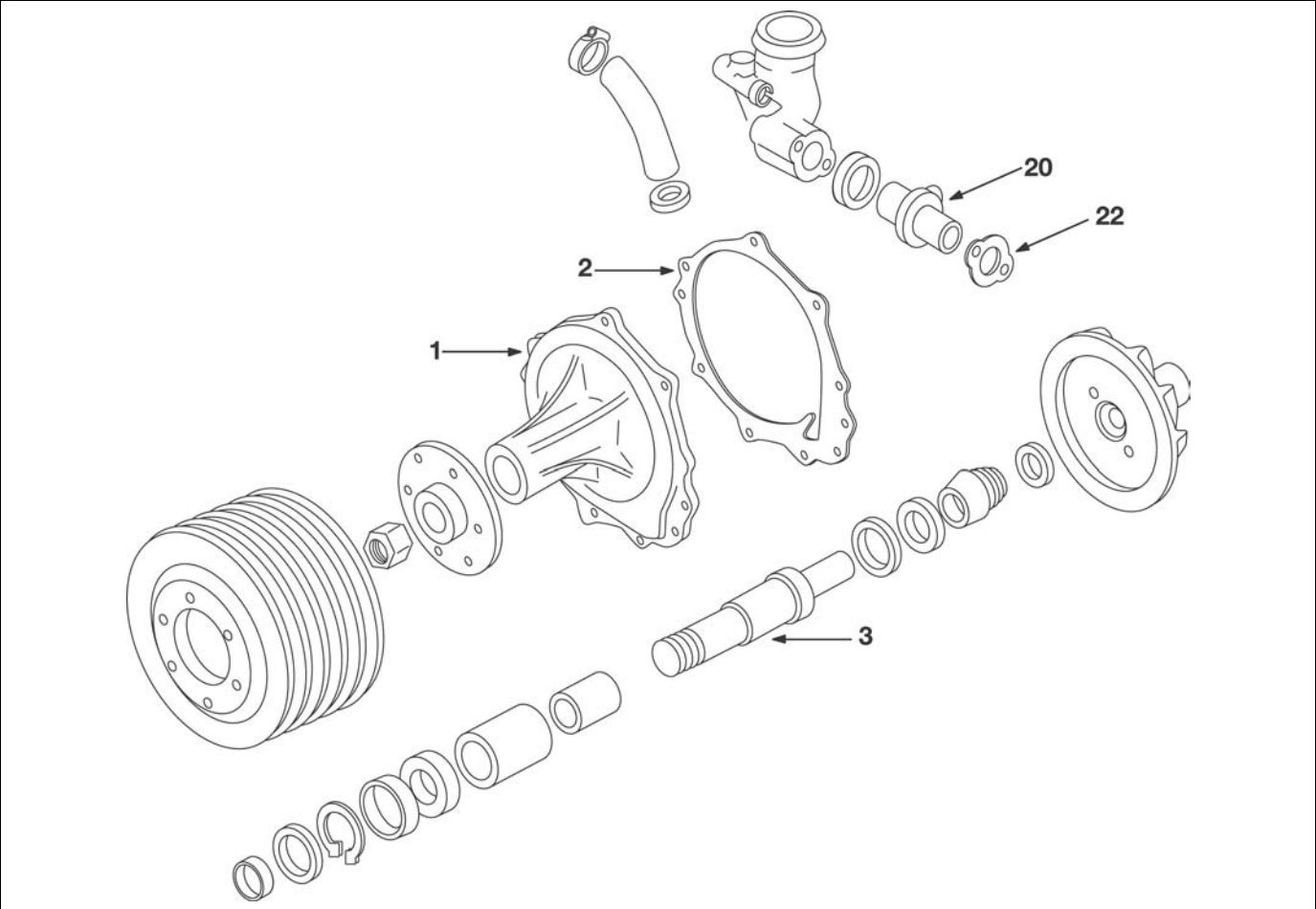
CAMSHAFT GROUP


| REF # | QTY | TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
|---------------------|-----|-------------------------------|-------|------------|------|---|
| 24 | 1 | Cam Gear | 93-87 | FP-675600 | | 66 Teeth |
| REF # | QTY | CAMSHAFT TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 42 | 1 | Woodruff Key | 93-87 | FP-218211 | | 1/4" x 3/4" |
| REF # | QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 54 | 12 | Lifter | 93-87 | FP-1802340 | | From Ser. No. 140087 to 532980 w/o valve train improvement package; Mech.; 1.120" dia. body |
| | 1 | Prelube | 93-87 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |
| FUEL SYSTEM & PARTS | | | | | | |
| | QTY | FUEL INJECTION | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 6 | Injector Nozzle Seat Gasket | 93-87 | FP-675477 | | .060" thick |
| | 6 | Grommet | 93-87 | FP-682810 | | |
| | 6 | Fuel Injector Sleeve | 93-87 | FP-675442 | | |
| | QTY | FUEL FILTERS & PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Injector Pump Mount Gasket | 93-87 | FP-675609 | | |
| | 1 | Fuel Pump Access Gasket | 93-87 | FP-675816 | | |
| | QTY | TURBOCHARGER | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Turbocharger Oil Inlet Gasket | 93-87 | FP-253660 | | |
| | 1 | Turbocharger Mounting Gasket | 93-87 | FP-670073 | | |

(continued on next page)

19 M/D Truck DT360 Eng. H/D Truck DT360 Eng.
(cont.) 5.9L 360 OHV Turbo-Diesel L6 (12 Valve), 4.01" Bore 1987-93

COOLING SYSTEM

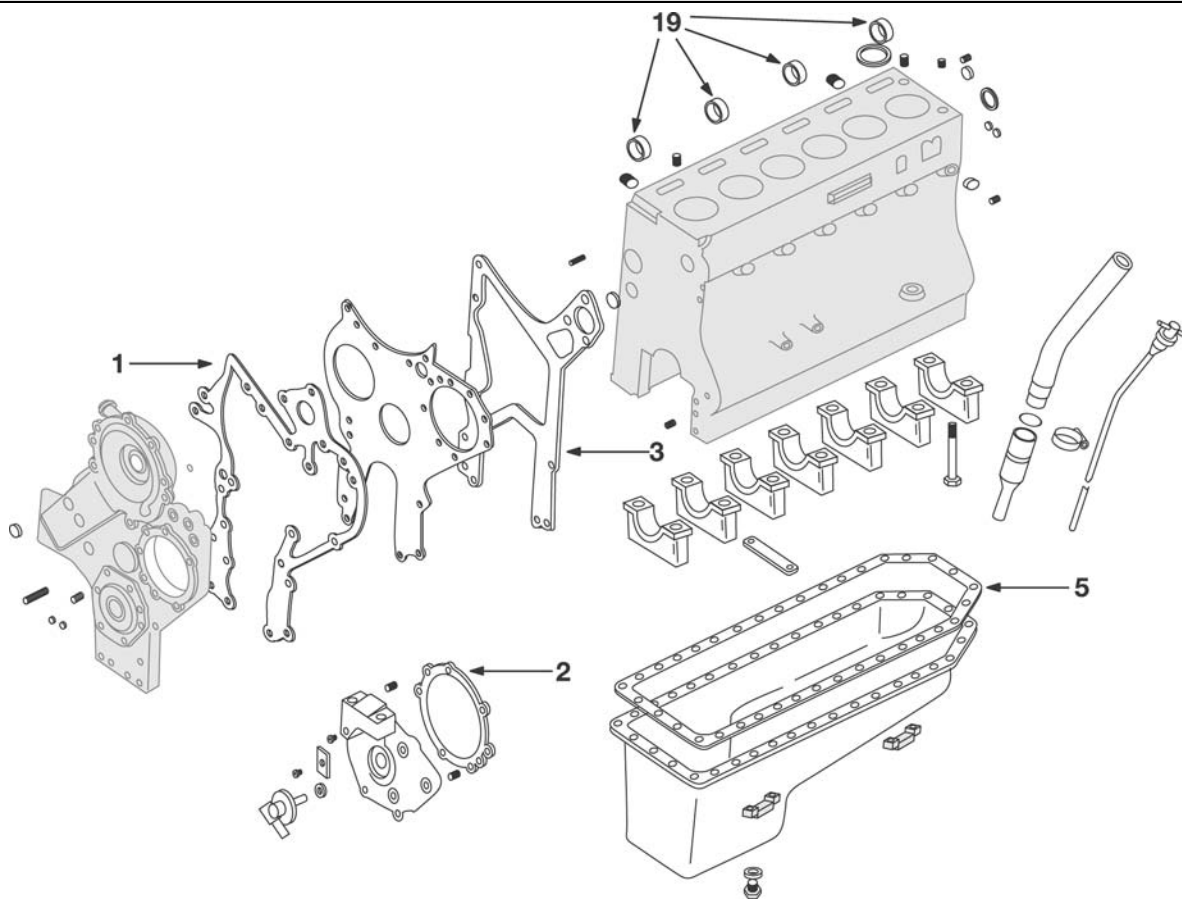


| REF # | QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|---------------------------|-------|------------|------|---|
| 1 | 1 | Water Pump - Heavy Duty | 93-92 | FP-1815538 | | From 10/91; w/screw-on fan drive |
| 1 | 1 | Water Pump - Heavy Duty | 92-87 | FP-685155 | | To Ser. No. 108649; w/six bolt fan drive mounting |
| 3 | 1 | Water Pump Shaft | 93-87 | FP-685153 | | To Ser. No. 108649 |
| 2 | 1 | Water Pump Housing Gasket | 93-87 | FP-675808 | | |
| REF # | QTY | THERMOSTAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 20 | 1 | Thermostat | 93-87 | FP-1801191 | | 180 Deg., Incl. seal |
| 22 | 1 | Thermostat Gasket | 93-87 | FP-675384 | | |

(continued on next page)

M/D Truck DT360 Eng. H/D Truck DT360 Eng. **19**
5.9L 360 OHV Turbo-Diesel L6 (12 Valve), 4.01" Bore 1987-93 (cont.)

ENGINE BLOCK & PARTS

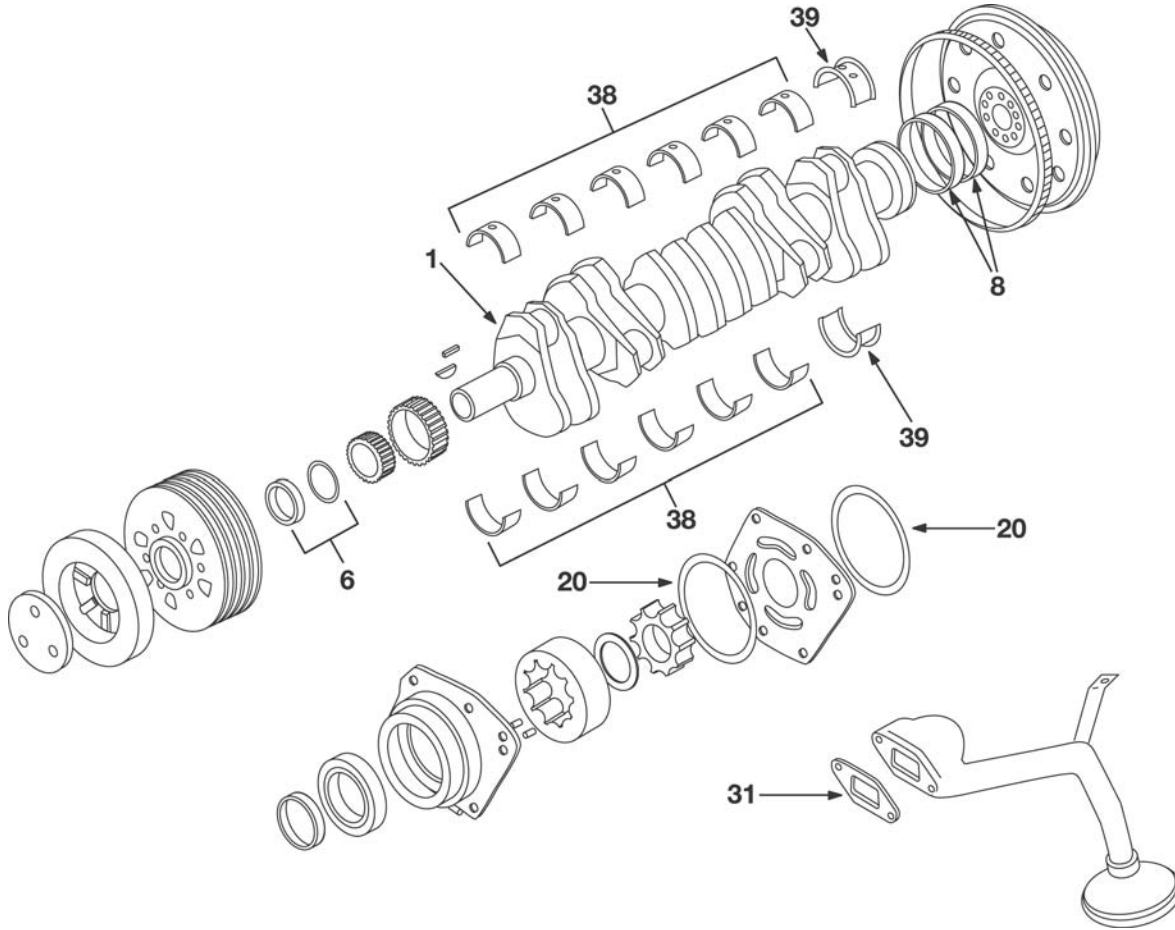


| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------------------|-------|------------|------|---|
| 1 | 1 | Front Cover Gasket | 93-87 | FP-1810510 | | Cover to plate |
| 1 | 1 | Front Cover Gasket | 93-87 | FP-675812 | | To Ser. No. 54458; Plate to block |
| 2 | 1 | Fuel Pump Access Gasket | 93-87 | FP-675816 | | |
| 1 | 1 | Crankcase Cover Set | 93-87 | FP-1813933 | | |
| 5 | 1 | Oil Pan Gasket | 93-87 | FP-671825 | | |
| REF # | QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Lower Gasket Set | 93-87 | FP-1815668 | | |
| | 1 | In-Frame Gasket Set | 93-87 | FP-1823140 | | Incl. front & rear crankshaft seals, valve stem seals, camshaft seals, liner sealing rings, and oil cooler & filter mounting gskts. |
| | 1 | Complete Overhaul Gasket Set | 93-87 | FP-1817256 | | |
| | 1 | Kit Gasket Set | 93-87 | 260-1665 | | Incl. 1 pc. PTFE RMB seal, wear sleeve & gskt. |
| REF # | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 1 | Cam Set | 93-87 | FP-680117 | STD | |

(continued on next page)

19 M/D Truck DT360 Eng. H/D Truck DT360 Eng.
(cont.) 5.9L 360 OHV Turbo-Diesel L6 (12 Valve), 4.01" Bore 1987-93

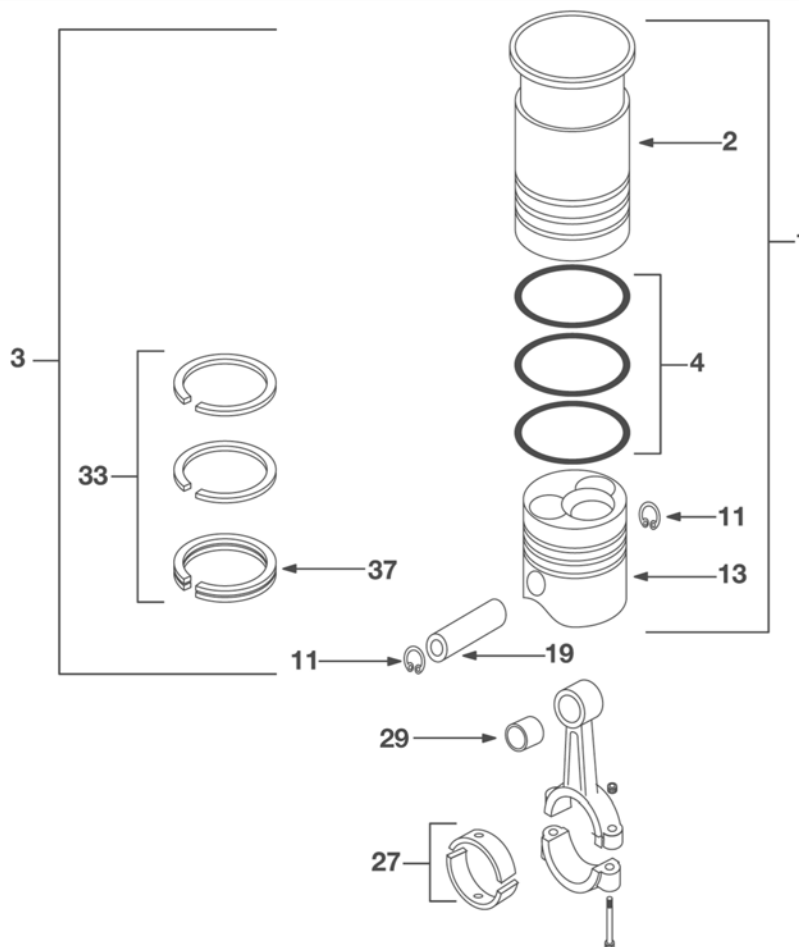
CRANKSHAFT/OIL PUMP



| REF # | QTY | CRANKSHAFT | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------------|-------|------------|------|--------------------------|
| 1 | 1 | Crankshaft | 93-87 | FP-1809953 | | |
| REF # | QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | 1 | Oil Seal Kit | 93-87 | FP-690437 | | Incl. seal & wear sleeve |
| 47 | 1 | Oil Seal | 93-87 | 714470 | | |
| REF # | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 7 | 1 | Oil Seal | 93-87 | 39958 | | |
| 8 | 1 | Oil Seal Kit | 93-87 | FP-1809964 | | Incl. seal & wear sleeve |
| 9 | 1 | Redi-Sleeve | 93-87 | 99298 | | |
| REF # | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Main Set | 93-87 | FP-1823859 | STD | |
| | 1 | Main Set | 93-87 | FP-1823860 | 10 | |
| | 1 | Main Set | 93-87 | FP-1823861 | 20 | |
| 38 | 6 | Plain Main Brg. | 93-87 | FP-684552 | STD | Position 1-2-3-4-5-6 |
| 38 | 6 | Plain Main Brg. | 93-87 | FP-684555 | 10 | Position 1-2-3-4-5-6 |
| 38 | 6 | Plain Main Brg. | 93-87 | FP-687385 | 20 | Position 1-2-3-4-5-6 |
| 39 | 1 | Flanged Main Brg. | 93-87 | FP-684561 | STD | Position 7 |
| 39 | 1 | Flanged Main Brg. | 93-87 | FP-684564 | 10 | Position 7 |
| 39 | 1 | Flanged Main Brg. | 93-87 | FP-687388 | 20 | Position 7 |
| REF # | QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 20 | 2 | O-Ring | 93-87 | FP-675860 | | Oil pump housing |
| 31 | 1 | Oil Inlet Elbow Gasket | 93-87 | FP-1802867 | | |

(continued on next page)

M/D Truck DT360 Eng. H/D Truck DT360 Eng. 19
5.9L 360 OHV Turbo-Diesel L6 (12 Valve), 4.01" Bore 1987-93 (cont.)

CYLINDER COMPONENTS


| REF # | QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------------------|-------|--------------|------|--|
| 1 | 6 | Piston & Liner Kit w/o Rings | 93-87 | FP-1811894 | | From Ser. No. 39375 through Ser. No. 72706 |
| 1 | 6 | Piston & Liner Kit w/o Rings | 93-87 | FP-1815404 | | From Ser. No. 72707 through Ser. No. 90975 |
| 1 | 6 | Piston & Liner Kit w/o Rings | 93-87 | FP-1817250 | | From Ser. No. 90976 |
| 1 | 6 | Piston & Liner Kit w/o Rings | 93-87 | FP-1809920 | | To Ser. No. 39374 |
| 2 | 6 | Liner w/o Sealing Ring | 93-87 | FP-1809935 | | |
| 3 | 6 | Cylinder Kit Complete | 93-87 | FP-1817250WR | | From Ser. No. 90976 |
| 3 | 6 | Cylinder Kit Complete | 93-87 | FP-1809920WR | | To Ser. No. 39374 |
| 4 | 6 | Cyl. Liner Sealing Ring Kit | 93-87 | FP-1809938 | | |
| 4 | 18 | Sealing Ring, Liner | 93-87 | FP-1809936 | | |
| REF # | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 13 | 6 | Piston Body w/o Pin | 93-87 | FP-1811749 | | From Ser. No. 39375 through Ser. No. 72706 |
| 13 | 6 | Piston Body w/o Pin | 93-87 | FP-1815309 | | From Ser. No. 72707 through Ser. No. 90975 |
| 13 | 6 | Piston Body w/o Pin | 93-87 | FP-1817178 | | From Ser. No. 90976 |
| 13 | 6 | Piston Body w/o Pin | 93-87 | FP-1809912 | | To Ser. No. 39374 |
| 19 | 6 | Pin | 93-87 | FP-1809914 | | |
| 11 | 12 | Piston Pin Retainer | 93-87 | FP-326751 | | |
| 29 | 6 | Pin Bushing | 93-87 | FP-1810049 | | |
| REF # | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 6 | Rod Pair | 93-87 | FP-1823863 | STD | |
| 27 | 6 | Rod Pair | 93-87 | FP-1823864 | 10 | |
| 27 | 6 | Rod Pair | 93-87 | FP-1823865 | 20 | |
| 27 | 6 | Rod Pair | 93-87 | FP-1823866 | 30 | |
| REF # | QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 33 | 6 | Ring Set Single Cylinder | 93-87 | FP-1817251 | | From Ser. No. 90976 |
| 33 | 6 | Ring Set Single Cylinder | 93-87 | FP-1809919 | | To Ser. No. 90975 |
| 37 | 6 | Oil Ring | 93-87 | FP-1815638 | | To Ser. No. 90975 |

(continued on next page)

International/Navistar Truck



19 M/D Truck DT360 Eng. H/D Truck DT360 Eng. (cont.) 5.9L 360 OHV Turbo-Diesel L6 (12 Valve), 4.01" Bore 1987-93

| KITS | | | | | |
|------|-----------------------|-------|----------------|------|--------------------------------------|
| QTY | OVERHAUL KIT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | In-Frame Overhaul Kit | 93-87 | FP-IFKDT360 | | For engines with S/N 39374 and below |
| 1 | In-Frame Overhaul Kit | 93-87 | FP-IFKDT360L | | For engines with S/N 39375 and above |
| 1 | Complete Overhaul Kit | 93-87 | FP-IFKDT360OH | | For engines with S/N 39374 and below |
| 1 | Complete Overhaul Kit | 93-87 | FP-IFKDT360LOH | | For engines with S/N 39375 and above |

20 M/D Truck RED361, RED361A Engs. 5.9L 361 OHV L6 (12 Valve), 4.125" Bore

| CYL. HEAD & PARTS | | | | | |
|-------------------|----------------------|--|------------|----------|---|
| QTY | VALVE | | PART NO. | SIZE | DESCRIPTION |
| 6 | Intake | | V-1926 | Std-3-15 | Chrome plated stem; 1.9400" Head Dia., .3414" Stem Dia., 4.8800" O.A.L. |
| 6 | Exhaust | | V-4081 | Std Only | 1.5390" Head Dia., .4340" Stem Dia., 5.8380" O.A.L. |
| QTY | VALVE SPRING | | PART NO. | SIZE | DESCRIPTION |
| 12 | Spring | | VS-336 | | 2.3430" Free Height |
| 12 | Spring | | VS-337 | | 2.5620" Free Height |
| 12 | Spring Insert | | 259-303C | | .015"; ID .703"; Carton of 100 |
| 12 | Spring Insert | | 259-303B | | .030"; ID .703"; Carton of 100 |
| 12 | Spring Insert | | 259-303A | | .060"; ID .703"; Carton of 100 |
| 12 | Spring Insert | | 259-303ARS | | .060"; ID .703"; Carton of 500 |
| QTY | VALVE SEAL | | PART NO. | SIZE | DESCRIPTION |
| 12 | O-Ring | | FP-111024 | | Rubber |
| 12 | Valve Stem Seal Bulk | | FP-111024B | | O-Ring; Carton of 100; Rubber |

21 M/D Truck RD372 Eng. H/D Truck RD372 Eng. 6.1L 372 OHV L6 (12 Valve), 4.375" Bore 1960-69

| CYL. HEAD & PARTS | | | | | |
|-------------------|----------------------|-------|-------------|----------|--|
| QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | Exh. | 69-60 | 245-1875-1N | Std Only | Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth |
| 6 | Exh. | 69-60 | 245-1875-1 | Std Only | 1.8810" OD, 1.6100" ID, .2485" Depth |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Spring | 69-60 | VS-336 | | Inner; 2.3430" Free Height |
| 12 | Spring | 69-60 | VS-337 | | Outer; 2.5620" Free Height |
| 12 | Spring Insert | 69-60 | 259-303C | | .015"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 69-60 | 259-303B | | .030"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 69-60 | 259-303A | | .060"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 69-60 | 259-303ARS | | .060"; ID .703"; Carton of 500 |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Valve Stem Seal | 69-60 | ST-2007 | | Positive type; Rubber |
| 6 | O-Ring | 69-60 | FP-111024 | | Int.; Rubber |
| 6 | Valve Stem Seal Bulk | 69-60 | FP-111024B | | Int.; O-Ring; Carton of 100; Rubber |

| CRANKSHAFT/OIL PUMP | | | | | |
|---------------------|---------------------|-------|------------|------|-------------|
| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Wear Sleeve | 69-60 | FP-1816569 | | |
| 1 | Oil Seal | 69-60 | 417316 | | |

| CYLINDER COMPONENTS | | | | | |
|---------------------|-----------------------------|-------|----------|----------|----------------|
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Premium Set | 69-60 | 5642KX | Std Only | 2-3/32, 1-3/16 |
| 6 | Premium Single Cylinder Set | 69-60 | W-5642KX | Std Only | 2-3/32, 1-3/16 |

22 M/D Truck V392, V392E Engs. 6.4L 392 OHV V8 (16 Valve), 4.125" Bore 1969-85

| CYL. HEAD & PARTS | | | | | |
|-------------------|--------------|-------|----------|----------|---|
| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Exhaust | 85-69 | V-1834X | Std Only | 1.7340" Head Dia., .4145" Stem Dia., 5.4800" O.A.L. |
| 32 | Keeper | 85-69 | FP-41339 | | 1 groove; Square cut key groove |
| 32 | Keeper | 85-69 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 32 | Keeper | 85-69 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 32 | Keeper, Bulk | 85-69 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Guide | 85-69 | VG-646 | | Exh.; .4180" ID, 2.9060" O.A.L. |

(continued on next page)

M/D Truck V392, V392E Engs. 22
6.4L 392 OHV V8 (16 Valve), 4.125" Bore 1969-85 (cont.)

| CYL. HEAD & PARTS (cont.) | | | | | |
|---------------------------|--------------------------|-------|-------------------------|------|---|
| QTY | VALVE GUIDE (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Guide | 85-69 | VG-581 | | Int.; .3755" ID, 2.9060" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 85-69 | FP-317365 | | Incl. damper; 2.0500" Free Height |
| QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Push Rod | 85-69 | RP-3133 | | Ball & ball type ends; Use w/boat type rocker arms; 9.7790" O.A.L. |
| 16 | Push Rod | 85-69 | RP-3132 | | Ball & socket type; Use w/fabricated arm w/welded ball; 9.7500" O.A.L. |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | 85-69 | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | 85-69 | FP-443128 | | Exh. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | O-Ring | 85-69 | FP-111024 | | Rubber |
| 16 | Valve Stem Seal Bulk | 85-69 | FP-111024B | | O-Ring; Carton of 100; Rubber |
| QTY | ROCKER PARTS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Arm | 85-69 | R-884 | | Int.; Boat type rocker arm; Stamped steel; Use w/Ball & ball end push rod |
| CAMSHAFT GROUP | | | | | |
| QTY | TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Gear Set | 85-69 | 221-3336S | | |
| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Camshaft | 85-69 | CS-415 | | |
| 16 | Lifter | 85-69 | HT-855 Std Only | | Hyd. |
| 16 | Lifter, Bulk | 85-69 | HT-855B Std Only | | Hyd.; Carton of 96 |
| 1 | Prelube | 85-69 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |
| COOLING SYSTEM | | | | | |
| QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 4 | O-Ring | 85-69 | FP-356005 | | Water pipe seal |
| ENGINE BLOCK & PARTS | | | | | |
| QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Kit Gasket Set | 85-69 | 260-1050 | | From Ser. No. 1013197; w/Improved cooling |
| 1 | Kit Gasket Set | 85-69 | 260-1076 | | To Ser. No. 1013196; w/o Improved cooling |
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | 85-69 | 1218M Std Only | | |
| QTY | FREEZE PLUGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Brass Block Plug Kit | 85-69 | 381-8083 | | |
| CRANKSHAFT/OIL PUMP | | | | | |
| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Redi-Sleeve | 82-69 | 99248 | | |
| 1 | Oil Seal | 82-69 | 7581H | | |
| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Seal | 82-69 | 2218 | | |
| 1 | Wear Sleeve | 85-69 | FP-1816569 | | |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 85-69 | 4070M Std-10-20-30 | | |
| QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Pump | 85-69 | 224-41187 | | To Eng. Ser. No. 1343145; Repl. O.E. No. 151075R93 |
| 1 | Pump Repair Kit | 85-69 | 224-51187 | | To Eng. Ser. No. 1343145 |
| CYLINDER COMPONENTS | | | | | |
| QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Repair Sleeve | 85-69 | SL-23Y Std Only | | 1/8" wall, must be cut to correct length |
| 8 | Repair Sleeve | 85-69 | SL-23M Std Only | | 3/32" wall, must be cut to correct length |
| QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Cast Piston | 75-69 | H996CP Std-20-30-40-60 | | Eng. Code "V392E"; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.886" CD, 1.0624" Pin Dia., Recessed Head; DUROSHIELD® skirt coated piston |
| 8 | Cast Piston - Individual | 75-69 | WH996CP Std-20-30-40-60 | | Eng. Code "V392E"; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.886" CD, 1.0624" Pin Dia., Recessed Head; DUROSHIELD® skirt coated piston |

(continued on next page)

International/Navistar Truck



22 M/D Truck V392, V392E Engs. (cont.) 6.4L 392 OHV V8 (16 Valve), 4.125" Bore 1969-85

CYLINDER COMPONENTS (cont.)

| QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------------------|-------|----------|-------------------|--------------------------------------|
| 1 | Rod Set | 85-69 | 8-2410CP | Std-10-20 | |
| 8 | Rod Pair | 85-69 | 2410CP | Std-2-10-20-30-40 | |
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Premium Set | 85-69 | E-404K | Std-60 | H/D use; Highway use; 2-3/32, 1-3/16 |
| 1 | Premium Set | 85-69 | E-273K | Std-20-30-40-60 | L/D; 2-3/32, 1-3/16 |
| 1 | Standard Set | 85-69 | E-422X30 | 30 | Nat. Gas or LPG; 2-3/32, 1-3/16 |
| 8 | Premium Single Cylinder Set | 85-69 | WE-404K | Std-30 | H/D use; Highway use; 2-3/32, 1-3/16 |
| 8 | Premium Single Cylinder Set | 85-69 | WE-273K | Std-20-30-40-60 | L/D; 2-3/32, 1-3/16 |

KITS

| RE-RING KIT | YEARS | DESCRIPTION | QTY | PREMIUM KIT NO. | QTY | ECONOMY KIT NO. |
|-------------|-------|--|-----|-----------------|-----|-----------------|
| | 85-69 | To Ser. No. 1013196; w/o Improved cooling | 1 | FP-205671 | | ----- |
| | 85-69 | From Ser. No. 1013197 | 1 | FP-205673 | | ----- |
| | 85-69 | L/D; To Ser. No. 1013196; w/o Improved cooling | 1 | 205-675 | | ----- |
| | 85-69 | L/D; To Ser. No. 1013197; w/Improved cooling | 1 | 205-676 | | ----- |

23 H/D Truck V392, V392E Engs. 6.4L 392 OHV V8 (16 Valve), 4.125" Bore 1966-82

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|------------|----------|---|
| 8 | Exhaust | 82-66 | V-1834X | Std Only | 1.7340" Head Dia., .4145" Stem Dia., 5.4800" O.A.L. |
| 32 | Keeper | 82-66 | FP-41339 | | 1 groove; Square cut key groove |
| 32 | Keeper | 82-66 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 32 | Keeper | 82-66 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 32 | Keeper, Bulk | 82-66 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Guide | 82-66 | VG-646 | | Exh.; .4180" ID, 2.9060" O.A.L. |
| 8 | Guide | 82-66 | VG-581 | | Int.; .3755" ID, 2.9060" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 82-66 | FP-317365 | | Incl. damper; 2.0500" Free Height |
| QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Push Rod | 82-66 | RP-3133 | | Ball & ball type ends; Use w/boat type rocker arms; 9.7790" O.A.L. |
| 16 | Push Rod | 82-66 | RP-3132 | | Ball & socket type; Use w/fabricated arm w/welded ball; 9.7500" O.A.L. |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | 82-66 | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | 82-66 | FP-443128 | | Exh. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | O-Ring | 82-66 | FP-111024 | | Rubber |
| 16 | Valve Stem Seal Bulk | 82-66 | FP-111024B | | O-Ring; Carton of 100; Rubber |
| QTY | ROCKER PARTS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Arm | 82-66 | R-884 | | Int.; Boat type rocker arm; Stamped steel; Use w/Ball & ball end push rod |

CAMSHAFT GROUP

| QTY | TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------|-------|-----------|----------|---|
| 1 | Gear Set | 82-66 | 221-3336S | | |
| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Camshaft | 82-66 | CS-415 | | |
| 16 | Lifter | 82-66 | HT-855 | Std Only | Hyd. |
| 16 | Lifter, Bulk | 82-66 | HT-855B | Std Only | Hyd.; Carton of 96 |
| 1 | Prelube | 82-66 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |

COOLING SYSTEM

| QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|------------|-------|-----------|------|-----------------|
| 4 | O-Ring | 82-66 | FP-356005 | | Water pipe seal |

(continued on next page)

H/D Truck V392, V392E Engs. 23
6.4L 392 OHV V8 (16 Valve), 4.125" Bore 1966-82 (cont.)

ENGINE BLOCK & PARTS

| QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|----------------|------|---|
| 1 | Kit Gasket Set | 82-66 | 260-1050 | | From Ser. No. 1013197; w/Improved cooling |
| 1 | Kit Gasket Set | 82-66 | 260-1076 | | To Ser. No. 1013196; w/o Improved cooling |
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | 82-66 | 1218M Std Only | | |
| QTY | FREEZE PLUGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Brass Block Plug Kit | 82-66 | 381-8083 | | |

CRANKSHAFT/OIL PUMP

| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------------|-------|--------------------|------|--|
| 1 | Redi-Sleeve | 82-68 | 99248 | | |
| 1 | Oil Seal | 82-68 | 7581H | | |
| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Seal | 82-68 | 2218 | | |
| 1 | Wear Sleeve | 82-66 | FP-1816569 | | |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 82-66 | 4070M Std-10-20-30 | | |
| QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Pump | 82-66 | 224-41187 | | To Eng. Ser. No. 1343145; Repl. O.E. No. 151075R93 |
| 1 | Pump Repair Kit | 82-66 | 224-51187 | | To Eng. Ser. No. 1343145 |

CYLINDER COMPONENTS

| QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------------------|-------|--------------------------|------|---|
| 8 | Repair Sleeve | 82-66 | SL-23Y Std Only | | 1/8" wall, must be cut to correct length |
| 8 | Repair Sleeve | 82-66 | SL-23M Std Only | | 3/32" wall, must be cut to correct length |
| QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Cast Piston | 75-68 | H996CP Std-20-30-40-60 | | Eng. Code "V392E"; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.886" CD, 1.0624" Pin Dia., Recessed Head; DUROSHIELD® skirt coated piston |
| 8 | Cast Piston - Individual | 75-68 | WH996CP Std-20-30-40-60 | | Eng. Code "V392E"; w/Exh. Emis.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.886" CD, 1.0624" Pin Dia., Recessed Head; DUROSHIELD® skirt coated piston |
| QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Rod Set | 82-66 | 8-2410CP Std-10-20 | | |
| 8 | Rod Pair | 82-66 | 2410CP Std-2-10-20-30-40 | | |
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Premium Set | 82-66 | E-404K Std-60 | | H/D use; Highway use; 2-3/32, 1-3/16 |
| 1 | Premium Set | 82-66 | E-273K Std-20-30-40-60 | | L/D; 2-3/32, 1-3/16 |
| 1 | Standard Set | 82-66 | E-422X30 30 | | Nat. Gas or LPG; 2-3/32, 1-3/16 |
| 8 | Premium Single Cylinder Set | 82-66 | WE-404K Std-30 | | H/D use; Highway use; 2-3/32, 1-3/16 |
| 8 | Premium Single Cylinder Set | 82-66 | WE-273K Std-20-30-40-60 | | L/D; 2-3/32, 1-3/16 |

KITS

RE-RING KIT

| YEARS | DESCRIPTION | | QTY | PREMIUM KIT NO. | QTY | ECONOMY KIT NO. |
|-------|---|---------|-----|-----------------|-----|-----------------|
| 82-66 | To Ser. No. 1013196; w/o Improved cooling | Re-ring | 1 | FP-205671 | | ---- |
| 82-66 | From Ser. No. 1013197 | Re-ring | 1 | FP-205673 | | ---- |

M/D Truck FBB401, FBC401, RED401, RED401A, RED401B Engs. 24
6.6L 401 OHV L6 (12 Valve), 4.125" Bore 1949-69

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------|-------|-----------------|------|---|
| 6 | Exhaust | 69-49 | V-4081 Std Only | | 1.5390" Head Dia., .4340" Stem Dia., 5.8380" O.A.L. |
| 24 | Keeper | | VK-66 | | FBB401 Engs.; 2 groove |
| 24 | Keeper | | VK-66R | | FBB401 Engs.; 2 groove; Hardened |
| 24 | Keeper | | FP-127554 | | Int.; FBC401 & RED401 Engs. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Spring | | VS-336 | | Inner; 2.3430" Free Height |
| 12 | Spring | | VS-337 | | Outer; 2.5620" Free Height |
| 12 | Spring Insert | | 259-303C | | .015"; ID .703"; Carton of 100 |
| 12 | Spring Insert | | 259-303B | | .030"; ID .703"; Carton of 100 |
| 12 | Spring Insert | | 259-303A | | .060"; ID .703"; Carton of 100 |

(continued on next page)

International/Navistar Truck



| | | | | | |
|---|------------|-----------------------------|--------------|-------------------------|--|
| 24 M/D Truck FBB401, FBC401, RED401, RED401A, RED401B Engs. (cont.) 6.6L 401 OHV L6 (12 Valve), 4.125" Bore 1949-69 | | | | | |
| CYL. HEAD & PARTS (cont.) | | | | | |
| | QTY | VALVE SPRING (cont.) | YEARS | PART NO. | SIZE DESCRIPTION |
| | 12 | Spring Insert | | 259-303ARS | .060"; ID .703"; Carton of 500 |
| | QTY | VALVE SEAL | YEARS | PART NO. | SIZE DESCRIPTION |
| | 6 | O-Ring | | FP-111024 | Int.; FBC401 & RED401 Engs.; Rubber |
| | 6 | Valve Stem Seal Bulk | | FP-111024B | Int.; FBC401 & RED401 Engs.; O-Ring; Carton of 100; Rubber |
| CYLINDER COMPONENTS | | | | | |
| | QTY | LINERS | YEARS | PART NO. | SIZE DESCRIPTION |
| | 6 | Repair Sleeve | | SL-23Y Std Only | 1/8" wall, must be cut to correct length |
| | 6 | Repair Sleeve | | SL-23M Std Only | 3/32" wall, must be cut to correct length |
| 25 M/D Truck V401, VS401 Engs. 6.6L 401 OHV V8 (16 Valve), 4.125" Bore 1960-64 | | | | | |
| CYL. HEAD & PARTS | | | | | |
| | QTY | VALVE | YEARS | PART NO. | SIZE DESCRIPTION |
| | 32 | Keeper | 64-60 | VK-140 | |
| | QTY | VALVE SEAT | YEARS | PART NO. | SIZE DESCRIPTION |
| | 8 | Int. | 64-60 | 245-2250-1 Std Only | Machine ID to fit; 2.2555" OD, 1.9375" ID, .1855" Depth |
| | QTY | VALVE SPRING | YEARS | PART NO. | SIZE DESCRIPTION |
| | 16 | Spring | 64-60 | FP-317365 | Late Engs.; Incl. damper; 2.0500" Free Height |
| | QTY | VALVE MISC. | YEARS | PART NO. | SIZE DESCRIPTION |
| | 8 | Rotocap Assy. | 64-60 | FP-RC126SA | Exh.; Incl. Rotocap & Valve Spring |
| | 8 | Rotocap | 64-60 | FP-443128 | Exh. |
| | QTY | VALVE SEAL | YEARS | PART NO. | SIZE DESCRIPTION |
| | 16 | Valve Stem Seal | 64-60 | ST-2007 | Positive type; Rubber |
| | 16 | O-Ring | 64-60 | FP-111024 | VS401 Engs.; Rubber |
| | 16 | Valve Stem Seal | 64-60 | MV-1551 | V401 Late Engs.; O-Ring; Carton of 50; Rubber |
| | 16 | Valve Stem Seal Bulk | 64-60 | FP-111024B | VS401 Engs.; O-Ring; Carton of 100; Rubber |
| CAMSHAFT GROUP | | | | | |
| | QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE DESCRIPTION |
| | 1 | Camshaft | 64-60 | CS-218 | Use iron oil pump drive gear. |
| | 1 | Prelube | 64-60 | 55-400 | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |
| ENGINE BLOCK & PARTS | | | | | |
| | QTY | GASKETS | YEARS | PART NO. | SIZE DESCRIPTION |
| | 1 | Oil Pan Gasket | 64-60 | FP-448428 | |
| | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE DESCRIPTION |
| | 1 | Cam Set | 64-60 | FP-448139 | STD |
| CRANKSHAFT/OIL PUMP | | | | | |
| | QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE DESCRIPTION |
| | 1 | Oil Seal | 64-60 | 710447 | |
| | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE DESCRIPTION |
| | 1 | Oil Seal | 64-60 | 5112S | |
| CYLINDER COMPONENTS | | | | | |
| | QTY | PISTONS | YEARS | PART NO. | SIZE DESCRIPTION |
| | 8 | Pin Bushing | 64-60 | 2199Y20 | |
| | QTY | PISTON RINGS | YEARS | PART NO. | SIZE DESCRIPTION |
| | 1 | Premium Set | 64-60 | E-404K Std-60 | H/D use; Highway use; 2-3/32, 1-3/16 |
| | 1 | Premium Set | 64-60 | E-273K Std-20-30-40-60 | L/D Pick-up & Delivery Service; 2-3/32, 1-3/16 |
| | 1 | Standard Set | 64-60 | E-422X30 30 | Nat. Gas or LPG; 2-3/32, 1-3/16 |
| | 8 | Premium Single Cylinder Set | 64-60 | WE-404K Std-30 | H/D use; Highway use; 2-3/32, 1-3/16 |
| | 8 | Premium Single Cylinder Set | 64-60 | WE-273K Std-20-30-40-60 | L/D Pick-up & Delivery Service; 2-3/32, 1-3/16 |
| 26 H/D Truck V401, VS401 Engs. 6.6L 401 OHV V8 (16 Valve), 4.125" Bore 1960-74 | | | | | |
| CYL. HEAD & PARTS | | | | | |
| | QTY | VALVE | YEARS | PART NO. | SIZE DESCRIPTION |
| | 32 | Keeper | 74-60 | VK-140 | |

(continued on next page)

H/D Truck V401, VS401 Engs. 26
6.6L 401 OHV V8 (16 Valve), 4.125" Bore 1960-74 (cont.)

CYL. HEAD & PARTS (cont.)

| QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|---------------------|------|---|
| 8 | Int. | 74-60 | 245-2250-1 Std Only | | Machine ID to fit; 2.2555" OD, 1.9375" ID, .1855" Depth |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 74-60 | FP-317365 | | Late Engs.; Incl. damper; 2.0500" Free Height |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | 74-60 | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | 74-60 | FP-443128 | | Exh. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Valve Stem Seal | 74-60 | ST-2007 | | Positive type; Rubber |
| 16 | O-Ring | 74-60 | FP-111024 | | VS401 Engs.; Rubber |
| 16 | Valve Stem Seal | 74-60 | MV-1551 | | V401 Late Engs.; O-Ring; Carton of 50; Rubber |
| 16 | Valve Stem Seal Bulk | 74-60 | FP-111024B | | VS401 Engs.; O-Ring; Carton of 100; Rubber |

CAMSHAFT GROUP

| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------|-------|----------|------|---|
| 1 | Camshaft | 74-60 | CS-218 | | Use iron oil pump drive gear. |
| 1 | Prelube | 74-60 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |

ENGINE BLOCK & PARTS

| QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------|-------|-----------|------|-------------|
| 1 | Oil Pan Gasket | 64-60 | FP-448428 | | |
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | 74-60 | FP-448139 | STD | |

CRANKSHAFT/OIL PUMP

| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------------|-------|----------|------|-------------|
| 1 | Oil Seal | 74-60 | 710447 | | |
| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Seal | 74-60 | 5112S | | |

CYLINDER COMPONENTS

| QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------------------|-------|-------------------------|------|--|
| 8 | Pin Bushing | 74-60 | 2199Y20 | | |
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Premium Set | 74-60 | E-404K Std-60 | | H/D use; Highway use; 2-3/32, 1-3/16 |
| 1 | Premium Set | 74-60 | E-273K Std-20-30-40-60 | | L/D Pick-up & delivery Service; 2-3/32, 1-3/16 |
| 1 | Standard Set | 74-60 | E-422X30 30 | | Nat. Gas or LPG; 2-3/32, 1-3/16 |
| 8 | Premium Single Cylinder Set | 74-60 | WE-404K Std-30 | | H/D use; Highway use; 2-3/32, 1-3/16 |
| 8 | Premium Single Cylinder Set | 74-60 | WE-273K Std-20-30-40-60 | | L/D Pick-up & delivery Service; 2-3/32, 1-3/16 |

M/D Truck MV404 Eng. 27
6.6L 404 OHV V8 (16 Valve), 4.125" Bore 1979-81

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------|-------|---------------------|------|---|
| 8 | Intake | 81-79 | V-2523 Std Only | | Chrome plated stem; 2.0540" Head Dia., .3725" Stem Dia., 5.4670" O.A.L. |
| 8 | Exhaust | 81-79 | V-2090X Std Only | | Chrome plated stem; 1.5350" Head Dia., .3720" Stem Dia., 5.4820" O.A.L. |
| 32 | Keeper | 81-79 | FP-41339 | | 1 groove; Square cut key groove |
| 32 | Keeper | 81-79 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 32 | Keeper | 81-79 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 32 | Keeper, Bulk | 81-79 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Int. | 81-79 | 245-2125-1 Std Only | | 2.1305" OD, 1.8125" ID, .2480" Depth |
| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Guide | 81-79 | VG-660 | | .3745" ID, 2.6000" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 81-79 | FP-317365 | | Incl. damper; 2.0500" Free Height |
| QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Push Rod | 81-79 | RP-3201 | | 10.3460" O.A.L. |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | 81-79 | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |

(continued on next page)

International/Navistar Truck



27 M/D Truck MV404 Eng.
(cont.) 6.6L 404 OHV V8 (16 Valve), 4.125" Bore 1979-81

| CYL. HEAD & PARTS (cont.) | | | | | | |
|---------------------------|-------|--|---------|-------------------------|------|--|
| | QTY | VALVE MISC. (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 8 | Rotocap | 81-79 | FP-443128 | | Exh. |
| | QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 16 | Valve Stem Seal | 81-79 | FP-156541 | | Installation requires valve guide machining; Polyacrylate |
| CAMSHAFT GROUP | | | | | | |
| | QTY | TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Gear Set | 81-79 | 221-3335S | | Incl. (1) 221-3329A, (1) 221-3334 |
| | QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 16 | Lifter | 81-79 | FP-446571 | | Hyd.; w/2 grooves |
| | 1 | Prelube | 81-79 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |
| ENGINE BLOCK & PARTS | | | | | | |
| | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Oil Pan Gasket Set | 81-79 | 260-6054 | | |
| | QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Kit Gasket Set | 81-79 | 260-1117 | | Int. manifold gskt. not incl.; Premium valve stem seals incl. |
| | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Cam Set | 81-79 | 1467M Std Only | | |
| | 1 | Cam Set | 81-79 | FP-1804475 | STD | |
| CRANKSHAFT/OIL PUMP | | | | | | |
| | QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Oil Seal | 81-79 | FP-1804009 | | Viton® |
| | 1 | Oil Seal Kit | 81-79 | FP-1808751 | | |
| | 1 | Oil Seal Kit | 81-79 | 5064 | | (Seal & Sleeve) |
| | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Oil Seal | 81-79 | 2218 | | |
| | 1 | Oil Seal | 81-79 | 39608 | | PTFE |
| | 1 | Wear Sleeve | 81-79 | FP-1816569 | | |
| | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Main Set | 81-79 | 5082M Std-10-20 | | |
| | QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Oil Pump | 81-79 | 224-41189 | | Repl. O.E. No. 446455C91 |
| CYLINDER COMPONENTS | | | | | | |
| | QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 8 | Repair Sleeve | 81-79 | SL-23Y Std Only | | 1/8" wall, must be cut to correct length |
| | 8 | Repair Sleeve | 81-79 | SL-23M Std Only | | 3/32" wall, must be cut to correct length |
| | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 8 | Cast Piston - Individual | 81-79 | WH999P Std-20-30-40-60 | | Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.900" CD, 1.0200" Pin Dia., Recessed Head .327" deep x 3.320" dia. |
| | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 8 | Rod Pair | 81-79 | FP-3730CP | | |
| | 8 | Rod Pair | 81-79 | FP-3730CP10 | | |
| | 8 | Rod Pair | 81-79 | FP-3730CP20 | | |
| | 8 | Rod Pair | 81-79 | FP-3730CP30 | | |
| | 8 | Rod Pair | 81-79 | FP-3730CP40 | | |
| | QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Premium Set | 81-79 | E-404K Std-60 | | H/D use; Highway use; 2-3/32, 1-3/16 |
| | 1 | Premium Set | 81-79 | E-273K Std-20-30-40-60 | | L/D Pick-up & Delivery Service; 2-3/32, 1-3/16 |
| | 1 | Standard Set | 81-79 | E-422X30 30 | | Nat. Gas or LPG; 2-3/32, 1-3/16 |
| | 8 | Premium Single Cylinder Set | 81-79 | WE-404K Std-30 | | H/D use; Highway use; 2-3/32, 1-3/16 |
| | 8 | Premium Single Cylinder Set | 81-79 | WE-273K Std-20-30-40-60 | | L/D Pick-up & Delivery Service; 2-3/32, 1-3/16 |
| KITS | | | | | | |
| RE-RING KIT | | | | | | |
| | YEARS | DESCRIPTION | | | QTY | PREMIUM KIT NO. |
| | 81-79 | L/D or pick-up & delivery use; Int. manifold gskt. not incl. | Re-ring | | 1 | FP-2056043 |
| | 81-79 | H/D or Highway use; Int. manifold gskt. not incl. | Re-ring | | 1 | FP-205705 |
| | 81-79 | Nat. Gas or LPG; Int. manifold gskt. not incl. | Re-ring | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

H/D Truck MV404 Eng. 28
6.6L 404 OHV V8 (16 Valve), 4.125" Bore 1975-82

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------|-------|---------------------|------|---|
| 8 | Intake | 82-75 | V-2523 Std Only | | Chrome plated stem; 2.0540" Head Dia., .3725" Stem Dia., 5.4670" O.A.L. |
| 8 | Exhaust | 82-75 | V-2090X Std Only | | Chrome plated stem; 1.5350" Head Dia., .3720" Stem Dia., 5.4820" O.A.L. |
| 32 | Keeper | 82-75 | FP-41339 | | 1 groove; Square cut key groove |
| 32 | Keeper | 82-75 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 32 | Keeper | 82-75 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 32 | Keeper, Bulk | 82-75 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Int. | 82-75 | 245-2125-1 Std Only | | 2.1305" OD, 1.8125" ID, .2480" Depth |
| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Guide | 82-75 | VG-660 | | .3745" ID, 2.6000" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 82-75 | FP-317365 | | Incl. damper; 2.0500" Free Height |
| QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Push Rod | 82-75 | RP-3201 | | 10.3460" O.A.L. |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | 82-75 | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | 82-75 | FP-443128 | | Exh. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Valve Stem Seal | 82-75 | FP-156541 | | Installation requires valve guide machining; Polyacrylate |

CAMSHAFT GROUP

| QTY | TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------|-------|-----------|------|---|
| 1 | Gear Set | 82-75 | 221-3335S | | Incl. (1) 221-3329A, (1) 221-3334 |
| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Lifter | 82-75 | FP-446571 | | Hyd.; w/2 grooves |
| 1 | Prelube | 82-75 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |

ENGINE BLOCK & PARTS

| QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|--------------------|-------|----------------|------|---|
| 1 | Oil Pan Gasket Set | 82-75 | 260-6054 | | |
| QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Kit Gasket Set | 82-75 | 260-1117 | | Int. manifold gskt. not incl.; Premium valve stem seals incl. |
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | 82-75 | 1467M Std Only | | |
| 1 | Cam Set | 82-75 | FP-1804475 | STD | |

CRANKSHAFT/OIL PUMP

| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------------|-------|-----------------|------|--------------------------|
| 1 | Oil Seal | 82-75 | FP-1804009 | | Viton® |
| 1 | Oil Seal Kit | 82-75 | FP-1808751 | | |
| 1 | Oil Seal Kit | 82-75 | 5064 | | (Seal & Sleeve) |
| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Seal | 82-75 | 2218 | | |
| 1 | Oil Seal | 82-75 | 39608 | | PTFE |
| 1 | Wear Sleeve | 82-75 | FP-1816569 | | |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 82-75 | 5082M Std-10-20 | | |
| QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Pump | 82-75 | 224-41189 | | Repl. O.E. No. 446455C91 |

CYLINDER COMPONENTS

| QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|--------------------------|-------|------------------------|------|--|
| 8 | Repair Sleeve | 82-75 | SL-23Y Std Only | | 1/8" wall, must be cut to correct length |
| 8 | Repair Sleeve | 82-75 | SL-23M Std Only | | 3/32" wall, must be cut to correct length |
| QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Cast Piston - Individual | 81-75 | WH999P Std-20-30-40-60 | | Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.900" CD, 1.0200" Pin Dia., Recessed Head .327" deep x 3.320" dia. |
| QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rod Pair | 82-75 | FP-3730CP | | |
| 8 | Rod Pair | 82-75 | FP-3730CP10 | | |
| 8 | Rod Pair | 82-75 | FP-3730CP20 | | |

(continued on next page)

28 H/D Truck MV404 Eng. (cont.) 6.6L 404 OHV V8 (16 Valve), 4.125" Bore 1975-82

CYLINDER COMPONENTS (cont.)

| QTY | | CONNECTING RODS & BRGS. (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|--|---------------------------------|-------|-------------------------|------|--|
| 8 | | Rod Pair | 82-75 | FP-3730CP30 | | |
| 8 | | Rod Pair | 82-75 | FP-3730CP40 | | |
| QTY | | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | | Premium Set | 82-75 | E-404K Std-60 | | H/D use; Highway use; 2-3/32, 1-3/16 |
| 1 | | Premium Set | 82-75 | E-273K Std-20-30-40-60 | | L/D Pick-up & Delivery Service; 2-3/32, 1-3/16 |
| 1 | | Standard Set | 82-75 | E-422X30 30 | | Nat. Gas or LPG; 2-3/32, 1-3/16 |
| 8 | | Premium Single Cylinder Set | 82-75 | WE-404K Std-30 | | H/D use; Highway use; 2-3/32, 1-3/16 |
| 8 | | Premium Single Cylinder Set | 82-75 | WE-273K Std-20-30-40-60 | | L/D Pick-up & Delivery Service; 2-3/32, 1-3/16 |

KITS

| RE-RING KIT YEARS | DESCRIPTION | QTY | PREMIUM KIT NO. | QTY | ECONOMY KIT NO. |
|-------------------|--|-----|-----------------|-----|-----------------|
| 82-75 | L/D or pick-up & delivery use; Int. manifold gskt. not incl. | 1 | FP-2056043 | | ---- |
| 82-75 | H/D or Highway use; Int. manifold gskt. not incl. | 1 | FP-205705 | | ---- |
| 82-75 | Nat. Gas or LPG; Int. manifold gskt. not incl. | | ---- | 1 | FP-205205 |

29 M/D Truck RD406 Eng. 6.7L 406 OHV L6 (12 Valve), 4.375" Bore 1961-74

CYL. HEAD & PARTS

| QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|----------------------|------|--|
| 6 | Exh. | 74-61 | 245-1875-1N Std Only | | Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth |
| 6 | Exh. | 74-61 | 245-1875-1 Std Only | | 1.8810" OD, 1.6100" ID, .2485" Depth |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Spring | 74-61 | VS-336 | | Inner; 2.3430" Free Height |
| 12 | Spring | 74-61 | VS-337 | | Outer; 2.5620" Free Height |
| 12 | Spring Insert | 74-61 | 259-303C | | .015"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 74-61 | 259-303B | | .030"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 74-61 | 259-303A | | .060"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 74-61 | 259-303ARS | | .060"; ID .703"; Carton of 500 |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Valve Stem Seal | 74-61 | ST-2007 | | Positive type; Rubber |
| 6 | O-Ring | 74-61 | FP-111024 | | Int.; Rubber |
| 6 | Valve Stem Seal Bulk | 74-61 | FP-111024B | | Int.; O-Ring; Carton of 100; Rubber |

CRANKSHAFT/OIL PUMP

| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------------|-------|------------|------|-------------|
| 1 | Wear Sleeve | 74-61 | FP-1816569 | | |
| 1 | Oil Seal | 74-61 | 417316 | | |

CYLINDER COMPONENTS

| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------------------|-------|-------------------|------|--------------------------------------|
| 1 | Premium Set | 74-61 | 5642KX Std Only | | From Ser. No. 119594; 2-3/32, 1-3/16 |
| 6 | Premium Single Cylinder Set | 74-61 | W-5642KX Std Only | | From Ser. No. 119594; 2-3/32, 1-3/16 |

30 H/D Truck RD406 Eng. 6.7L 406 OHV L6 (12 Valve), 4.375" Bore 1960-74

CYL. HEAD & PARTS

| QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------|-------|----------------------|------|--|
| 6 | Exh. | 74-60 | 245-1875-1N Std Only | | Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth |
| 6 | Exh. | 74-60 | 245-1875-1 Std Only | | 1.8810" OD, 1.6100" ID, .2485" Depth |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Spring | 74-60 | VS-336 | | Inner; 2.3430" Free Height |
| 12 | Spring | 74-60 | VS-337 | | Outer; 2.5620" Free Height |
| 12 | Spring Insert | 74-60 | 259-303C | | .015"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 74-60 | 259-303B | | .030"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 74-60 | 259-303A | | .060"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 74-60 | 259-303ARS | | .060"; ID .703"; Carton of 500 |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Valve Stem Seal | 74-60 | ST-2007 | | Positive type; Rubber |
| 6 | O-Ring | 74-60 | FP-111024 | | Int.; Rubber |

(continued on next page)



International/Navistar Truck

| H/D Truck RD406 Eng. 30 6.7L 406 OHV L6 (12 Valve), 4.375" Bore 1960-74 (cont.) | | | | | |
|--|-----------------------------|-------|-------------------|------|---|
| CYL. HEAD & PARTS (cont.) | | | | | |
| QTY | VALVE SEAL (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | Valve Stem Seal Bulk | 74-60 | FP-111024B | | Int.; O-Ring; Carton of 100; Rubber |
| CRANKSHAFT/OIL PUMP | | | | | |
| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Wear Sleeve | 74-60 | FP-1816569 | | |
| 1 | Oil Seal | 74-60 | 417316 | | |
| CYLINDER COMPONENTS | | | | | |
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Premium Set | 74-60 | 5642KX Std Only | | Std. Engs. From Ser. No. 119594; 2-3/32, 1-3/16 |
| 6 | Premium Single Cylinder Set | 74-60 | W-5642KX Std Only | | Std. Engs. From Ser. No. 119594; 2-3/32, 1-3/16 |



DT-408 Engine

Global Technology Behind Every Part

Overview

The DT-408 diesel engine was first introduced in 1993. It is used in On-Highway truck and bus applications. This engine is also part of the PLN or "Pump Line Nozzle" engine family that includes the DT-466P (NGD) and I530P (NGD) engines. These three engines share many internal engine parts.

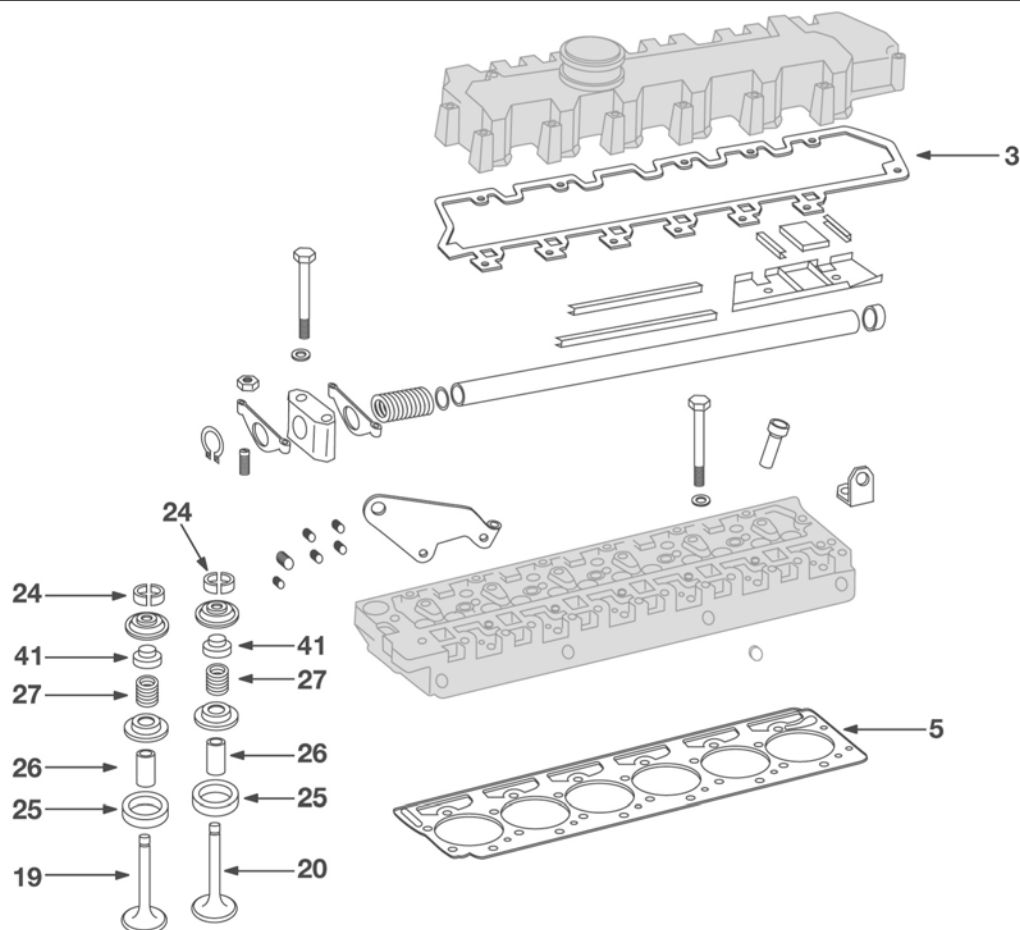
| | |
|--------------------------------|--|
| Engine Type | Diesel, 4-cycle |
| Configuration..... | In-Line 6-Cylinder |
| Displacement | 408 cu. In. (6.7L) |
| Bore and Stroke | 4.301 x 4.680 in (109.2 x 118.9 mm) |
| Combustion System..... | Direct Injection |
| Total Engine Weight (Dry)..... | 1250 lb. (567.5 kg) |

The DT-408 can be identified by the permanent engine number stamped on the center top left side of the engine crankcase. The first three positions indicate the engine displacement. The fourth digit indicates either turbocharged, air-to-air charge air cooled or mechanical fuel injection engine. The fifth digit indicates the use of the engine, for example M would indicate that the engine was built for truck use. The rest of the digits represent the specific engine serial number. A typical serial number would look like this: 408GM456789.



M/D Truck DT408 Eng. H/D Truck DT408 Eng. **31**
6.7L 408 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1993-97

CYL. HEAD & PARTS

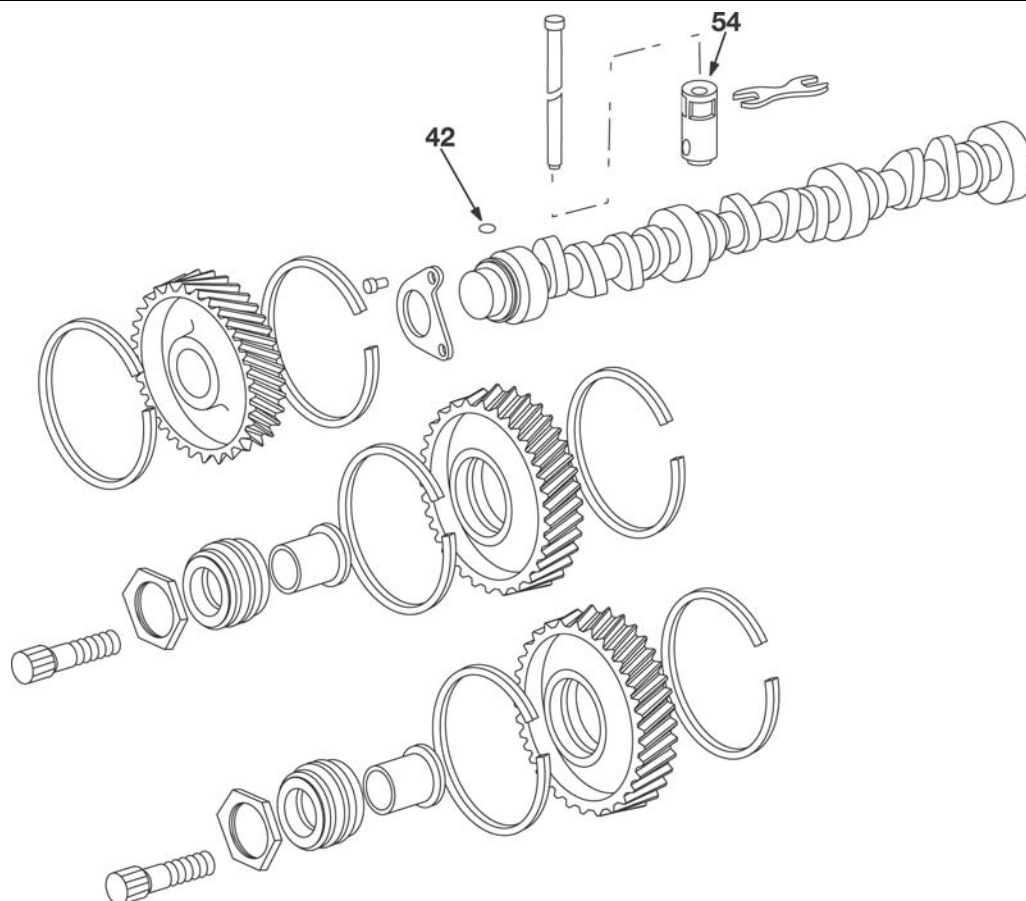


| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|--------------------|-------|--------------|------|---|
| 3 | 1 | Valve Cover Gasket | 97-93 | FP-1817510 | | |
| 5 | 1 | Head Gasket | 97-93 | FP-1817562 | | |
| | 1 | Head Set | 97-93 | FP-1822328 | | |
| REF # | QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 6 | Intake | 97-93 | FP-1818580 | | 5/16" valve stem |
| 20 | 6 | Exhaust | 97-93 | FP-1824838 | | 5/16" valve stem |
| 24 | 24 | Keeper | 97-93 | FP-1810944 | | 5/16" valve stem |
| REF # | QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 25 | 6 | Exh. | 97-93 | FP-675450 | STD | I.D. Top taper 1.524"; 1.6285" OD, 1.3480" ID, .3650" Depth |
| 25 | 6 | Int. | 97-93 | FP-675043 | STD | I.D. Top taper 1.767"; 1.9990" OD, 1.7120" ID, .3860" Depth |
| REF # | QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 26 | 12 | Guide | 97-93 | FP-1820264 | | .315" ID, .565" OD, 2.391" O.A.L. |
| REF # | QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 6 | Spring | 97-93 | FP-677349 | | Int. |
| REF # | QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 41 | 12 | Valve Stem Seal | 97-93 | FP-1822245 * | | Exh. & Int.; To Ser. No. 956463; 5/16" Valve Stem |

(continued on next page)

31 M/D Truck DT408 Eng. H/D Truck DT408 Eng.
(cont.) 6.7L 408 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1993-97

CAMSHAFT GROUP

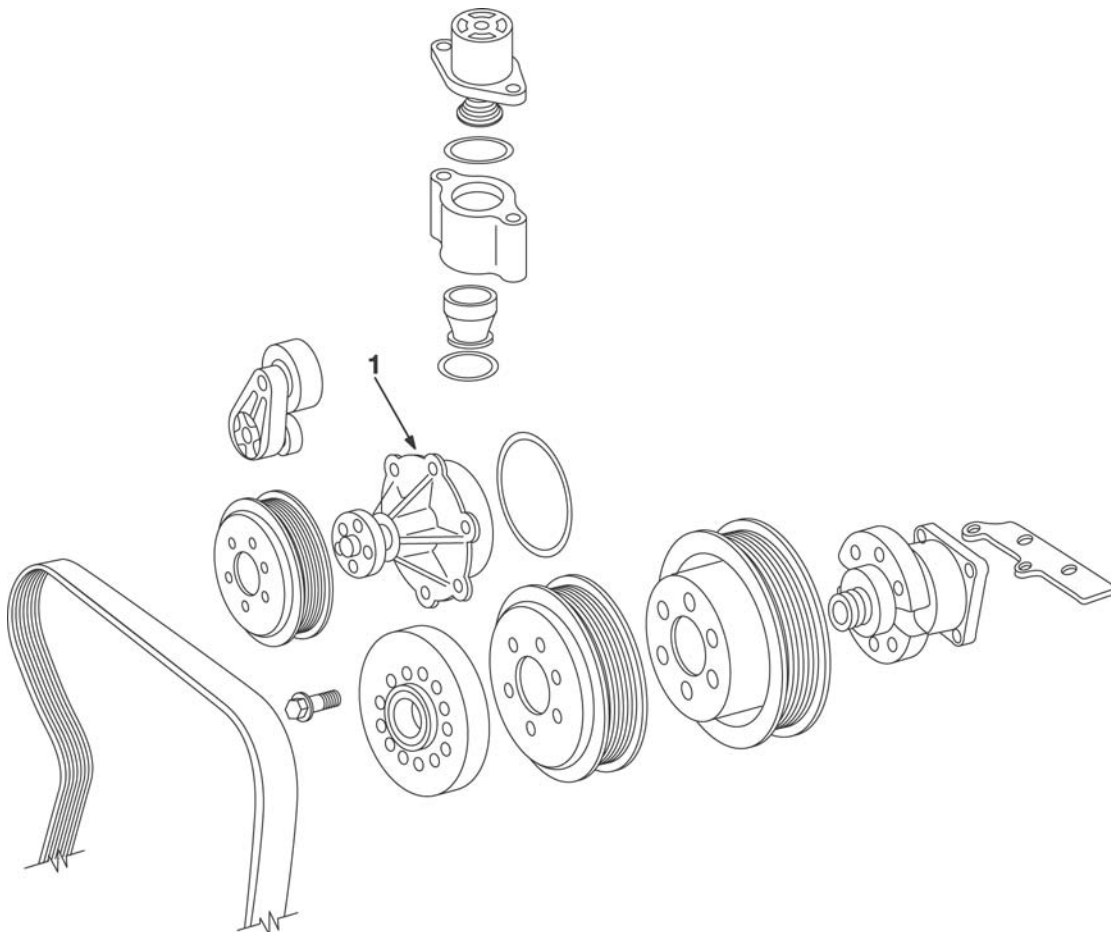


| REF # | QTY | CAMSHAFT TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
|---------------------|-----|-------------------------------|-------|------------|------|-----------------------|
| 42 | 1 | Woodruff Key | 97-93 | FP-218211 | | Cam gear; 1/4" x 3/4" |
| REF # | QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 54 | 12 | Lifter | 97-93 | FP-1809570 | | Roller type |
| FUEL SYSTEM & PARTS | | | | | | |
| | QTY | FUEL INJECTION | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Injector Nozzle Seat Gasket | 97-93 | FP-675477 | | .060" thick |
| | 6 | Grommet | 97-93 | FP-682810 | | Dust cover |
| | 6 | Fuel Injector Sleeve | 97-93 | FP-675442 | | |
| | QTY | TURBOCHARGER | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Turbocharger Oil Inlet Gasket | 97-93 | FP-253660 | | |
| | 1 | Turbocharger Mounting Gasket | 97-93 | FP-1822120 | | |

(continued on next page)

M/D Truck DT408 Eng. H/D Truck DT408 Eng. **31**
 6.7L 408 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1993-97 (cont.)

COOLING SYSTEM

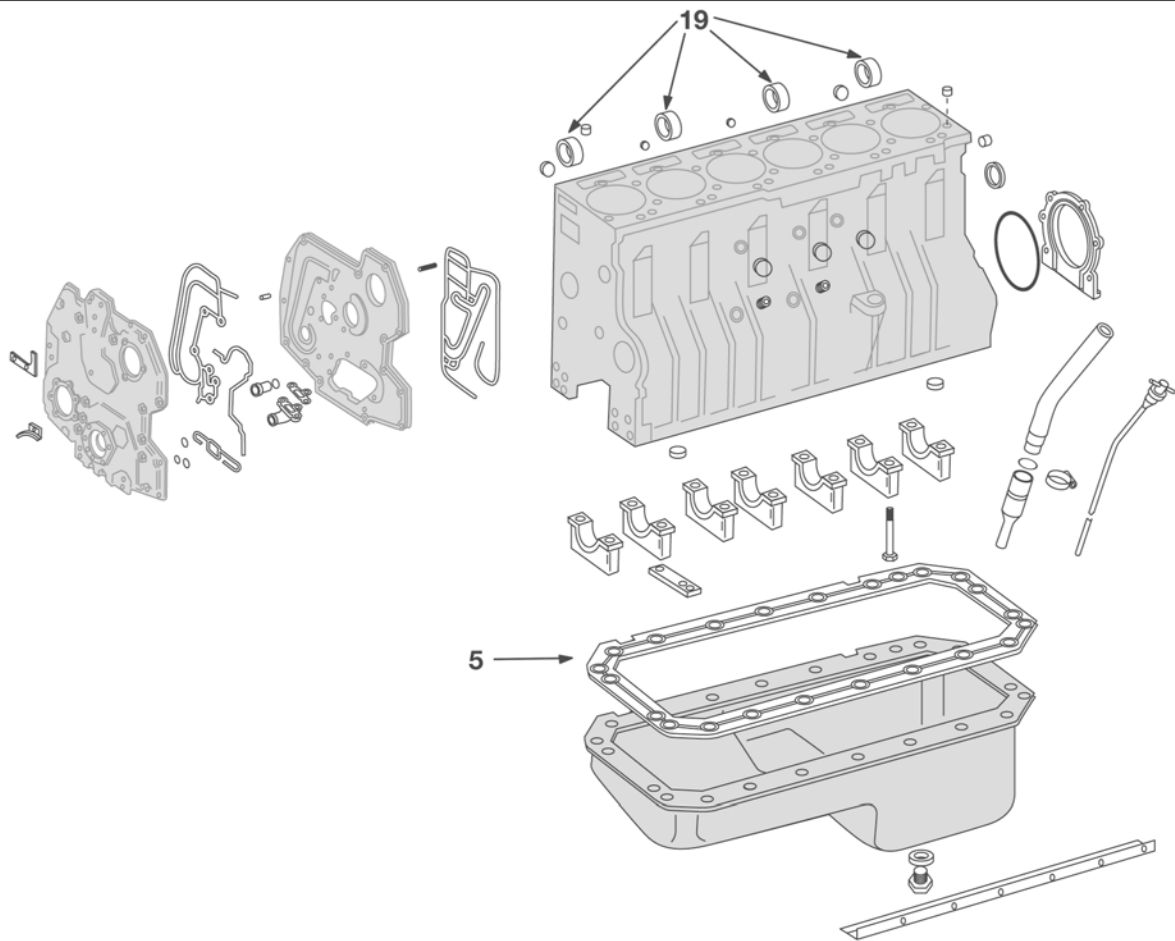


| REF # | QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------|-------|------------|------|--------------------------|
| 1 | 1 | Water Pump - Heavy Duty | 97-93 | FP-1817687 | | w/7 bolt mounting flange |

(continued on next page)

31 M/D Truck DT408 Eng. H/D Truck DT408 Eng.
(cont.) 6.7L 408 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1993-97

ENGINE BLOCK & PARTS

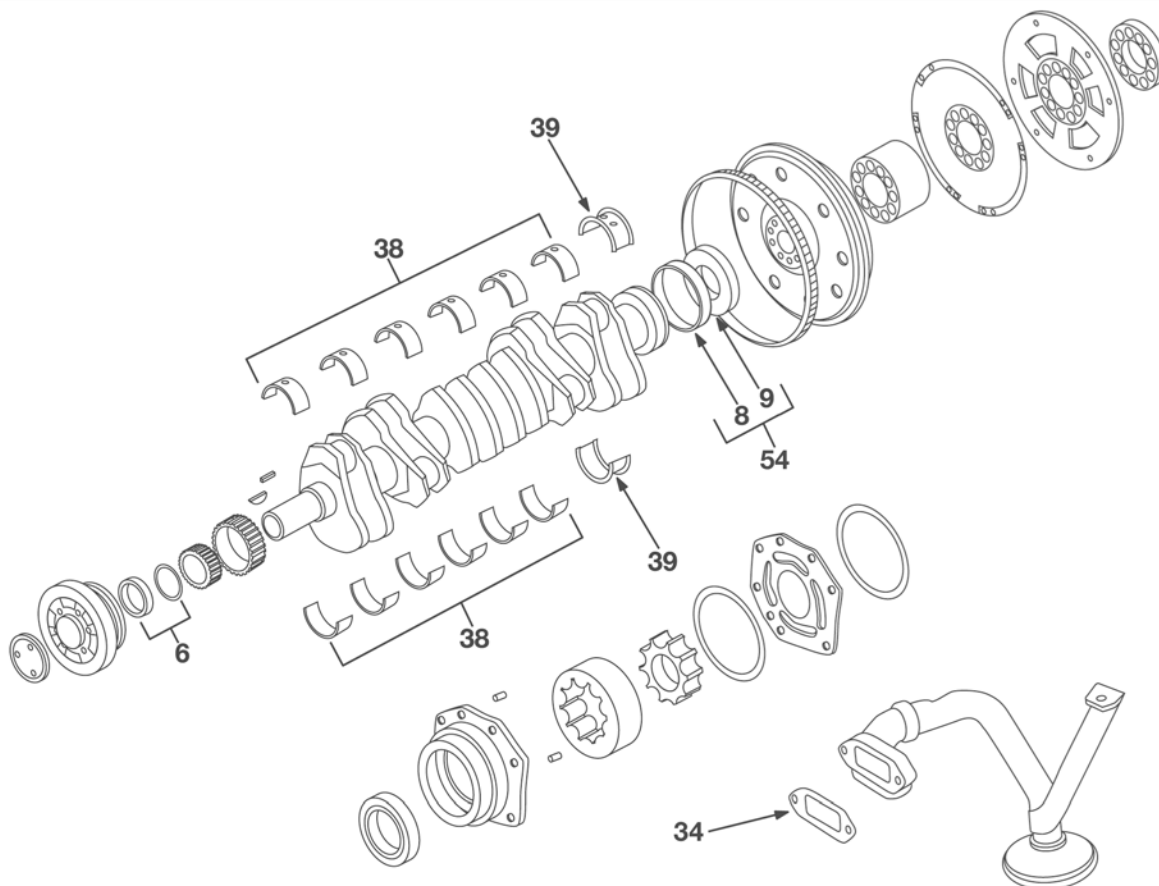


| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------|-------|------------|------|------------------------------------|
| | 5 | 1 Oil Pan Gasket | 97-93 | FP-1826587 | | |
| | | 1 Chemicals | 97-93 | FP-1816593 | | Oil pan; RTV Sealant |
| | | 1 Oil Seal Kit | 97-93 | FP-690437 | | Oil pump; Incl. seal & wear sleeve |
| REF # | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 1 | Cam Set | 97-93 | FP-680117 | STD | |

(continued on next page)

M/D Truck DT408 Eng. H/D Truck DT408 Eng. **31**
6.7L 408 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1993-97 (cont.)

CRANKSHAFT/OIL PUMP

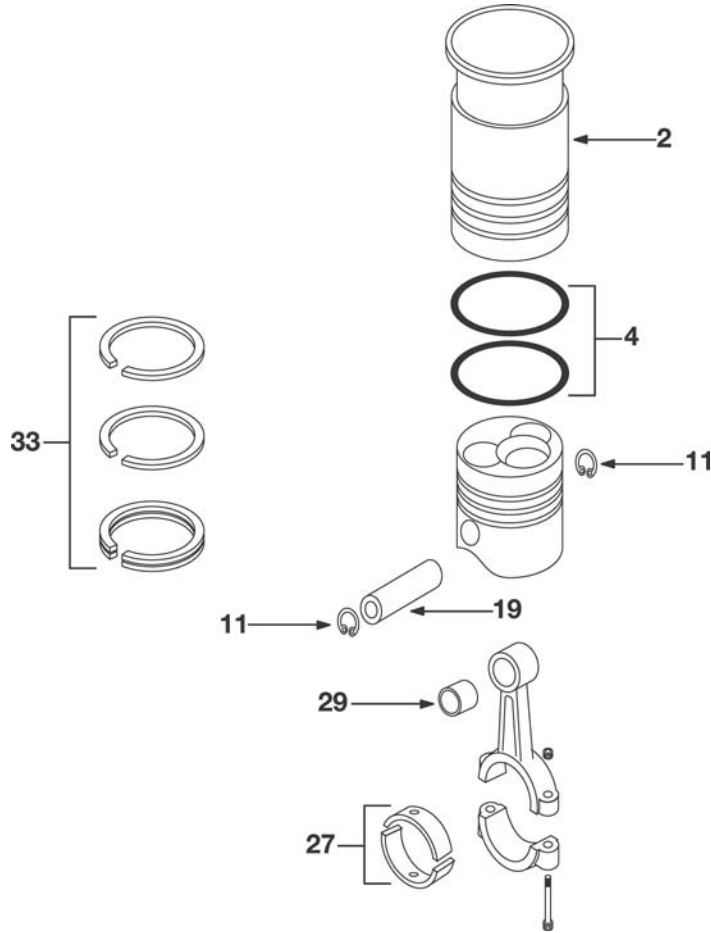


| REF # | QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|---------------------|-------|------------|------|--------------------------|
| 6 | 1 | Oil Seal Kit | 97-93 | FP-690437 | | Incl. seal & wear sleeve |
| REF # | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 54 | 1 | Oil Seal Kit | 97-93 | FP-1817867 | | Incl. seal & wear sleeve |
| 9 | 1 | Wear Sleeve | 97-93 | FP-1816569 | | |
| REF # | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 38 | 6 | Plain Main Brg. | 97-93 | FP-1822321 | STD | Position 1-2-3-4-5-6 |
| 38 | 6 | Plain Main Brg. | 97-93 | FP-1822490 | 10 | Position 1-2-3-4-5-6 |
| 38 | 6 | Plain Main Brg. | 97-93 | FP-1822491 | 20 | Position 1-2-3-4-5-6 |
| 38 | 6 | Plain Main Brg. | 97-93 | FP-1822492 | 30 | Position 1-2-3-4-5-6 |
| 39 | 1 | Flanged Main Brg. | 97-93 | FP-1822379 | STD | Position 7 |
| 39 | 1 | Flanged Main Brg. | 97-93 | FP-1822494 | 10 | Position 7 |
| 39 | 1 | Flanged Main Brg. | 97-93 | FP-1822495 | 20 | Position 7 |
| 39 | 1 | Flanged Main Brg. | 97-93 | FP-1822496 | 30 | Position 7 |
| REF # | QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 34 | 1 | Gasket | 97-93 | FP-1816722 | | Oil Suction Tube gasket |

(continued on next page)

31 M/D Truck DT408 Eng. H/D Truck DT408 Eng.
(cont.) 6.7L 408 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1993-97

CYLINDER COMPONENTS



| REF # | QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-----------------------------|-------|----------------|------|---------------------------------|
| 2 | 6 | Liner w/o Sealing Ring | 97-93 | FP-1815674 | | |
| 3 | 6 | Cylinder Kit Complete | 94-93 | FP-1822332 | STD | DT408 NGD Engs.; All HP Engs. |
| 4 | 6 | Cyl. Liner Sealing Ring Kit | 97-93 | FP-1822322 | | |
| 4 | 6 | Sealing Ring, Liner | 97-93 | FP-1817633 | | |
| 4 | 6 | Sealing Ring, Liner | 97-93 | FP-1842115 | | PTFE |
| REF # | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 13 | 6 | Piston Body w/o Pin | 94-93 | FP-1822217 | STD | DT408 NGD Engs.; All HP Engs. |
| 19 | 6 | Pin | 97-93 | FP-1818552 | | |
| 11 | 12 | Piston Pin Retainer | 97-93 | FP-1818702 | | |
| 29 | 6 | Pin Bushing | 97-93 | FP-1818598 | | |
| REF # | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 6 | Rod Pair | 97-93 | FP-1822389 | STD | |
| 27 | 6 | Rod Pair | 97-93 | FP-1822486 | 10 | |
| 27 | 6 | Rod Pair | 97-93 | FP-1822487 | 20 | |
| REF # | QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 33 | 6 | Ring Set Single Cylinder | 97-93 | FP-1817247 | | |
| KITS | | | | | | |
| | QTY | OVERHAUL KIT | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | In-Frame Overhaul Kit | 97-93 | FP-IFKDT408NGD | | |
| | 1 | In-Frame Overhaul Kit | 97-93 | FP-1826322 | | Equal to IH/Navistar "Work Kit" |

6.9L Engine

Global Technology Behind Every Part

Overview

The 6.9 LITER diesel engine was first introduced in 1983. It is used in On-Highway truck and bus applications.

Engine Type Diesel, 4-cycle

Configuration.....V8

Displacement420 cu. In. (6.9 Liters)

Bore and Stroke.....4.000 x 4.180 in.
(101.6 x 106.2 mm)

Combustion System.....Direct Injection

Total Engine Weight (Dry).....860 lb. (390 kg)

The 6.9L can be identified by the permanent engine number stamped on the front top left side of the engine. The first three positions indicate the engine displacement. The fourth digit indicates either naturally aspirated or turbocharged. The fifth and sixth digits indicate the use of the engine, for example M2 would indicate that the engine was built for truck use. The seventh digit indicates what country the engine was built in, for example the letter U indicates that the engine was built in the U.S.A. The rest of the digits represent the specific engine serial number. Early 6.9L engines with serial numbers below 59208 are known as 6.9A series and engines with serial number 59209 and higher are known as B engines. A typical serial number would look like this: 99LDM2U456789.

6.9L In-Frame Overhaul – Early engines

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|-------------|-----------------|------|-----------|--------------------------------|--------------------------------------|
| FP-IFK-6.9E | FP-1805944-WR | 8 | Std. | Piston w/Pin, Retainer & Rings | For engines with S/N 59208 and below |
| | FP-1805946-WR | 8 | 20 | Piston w/Pin, Retainer & Rings | For engines with S/N 59208 and below |
| | FP-1805947-WR | 8 | 30 | Piston w/Pin, Retainer & Rings | For engines with S/N 59208 and below |
| | FP-1805944WR 40 | 8 | 40 | Piston w/Pin, Retainer & Rings | For engines with S/N 59208 and below |
| | FP-1802200 | 8 | Std. | Rod Bearing Pair | |
| | FP-1802201 | 8 | 10 | Rod Bearing Pair | |
| | FP-1802202 | 8 | 20 | Rod Bearing Pair | |
| | FP-1802203 | 8 | 30 | Rod Bearing Pair | |
| | FP-1802220 | 1 | Std. | Main Bearing, Flanged | |
| | FP-1802221 | 1 | 10 | Main Bearing, Flanged | |
| | FP-1802222 | 1 | 20 | Main Bearing, Flanged | |
| | FP-1802223 | 1 | 30 | Main Bearing, Flanged | |
| | FP-1802216 | 4 | Std. | Main Bearing, Plain | |
| | FP-1802217 | 4 | 10 | Main Bearing, Plain | |
| | FP-1802218 | 4 | 20 | Main Bearing, Plain | |
| | FP-1802219 | 4 | 30 | Main Bearing, Plain | |
| | 260-6054 | 1 | | Oil Pan Gasket Set | |
| | FP-1811049 | 1 | | Head Gasket Set | |
| | FP-1813067 | 1 | | Valley Pan Gasket Set | |
| | FP-1807974 | 1 | | Thermostat Kit | 192 degree Thermostat |



6.9L Engine

Global Technology Behind Every Part

6.9L In-Frame Overhaul – Late engines

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|--------------------|-----------------|------|-----------|--------------------------------|--------------------------------------|
| FP-IFK-6.9L | FP-1805816-WR | 8 | Std. | Piston w/Pin, Retainer & Rings | For engines with S/N 59209 and above |
| | FP-1805818-WR | 8 | 20 | Piston w/Pin, Retainer | For engines with S/N 59209 |
| | FP-1805819-WR | 8 | 30 | Piston w/Pin, Retainer | For engines with S/N 59209 |
| | FP-1805816WR 40 | 8 | 40 | Piston w/Pin, Retainer | For engines with S/N 59209 |
| | FP-1802200 | 8 | Std. | Rod Bearing Pair | |
| | FP-1802201 | 8 | 10 | Rod Bearing Pair | |
| | FP-1802202 | 8 | 20 | Rod Bearing Pair | |
| | FP-1802203 | 8 | 30 | Rod Bearing Pair | |
| | FP-1802220 | 1 | Std. | Main Bearing, Flanged | |
| | FP-1802221 | 1 | 10 | Main Bearing, Flanged | |
| | FP-1802222 | 1 | 20 | Main Bearing, Flanged | |
| | FP-1802223 | 1 | 30 | Main Bearing, Flanged | |
| | FP-1802216 | 4 | Std. | Main Bearing, Plain | |
| | FP-1802217 | 4 | 10 | Main Bearing, Plain | |
| | FP-1802218 | 4 | 20 | Main Bearing, Plain | |
| | FP-1802219 | 4 | 30 | Main Bearing, Plain | |
| | 260-6054 | 1 | | Oil Pan Gasket Set | |
| | FP-1811049 | 1 | | Head Gasket Set | |
| | FP-1813067 | 1 | | Valley Pan Gasket Set | |
| | FP-1807974 | 1 | | Thermostat Kit | 192 degree Thermostat |



6.9L Engine

Global Technology Behind Every Part

6.9L Complete Overhaul – Early engines

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|-----------------------|-----------------|------|-----------|--------------------------------|--------------------------------------|
| FP-IFK-6.9E-OH | FP-1805944-WR | 8 | Std. | Piston w/Pin, Retainer & Rings | For engines with S/N 59208 and below |
| | FP-1805946-WR | 8 | 20 | Piston w/Pin, Retainer & Rings | For engines with S/N 59208 and below |
| | FP-1805947-WR | 8 | 30 | Piston w/Pin, Retainer & Rings | For engines with S/N 59208 and below |
| | FP-1805944WR 40 | 8 | 40 | Piston w/Pin, Retainer & Rings | For engines with S/N 59208 and below |
| | FP-1804000 | 8 | | Piston Pin Bushing | |
| | FP-1802200 | 8 | Std. | Rod Bearing Pair | |
| | FP-1802201 | 8 | 10 | Rod Bearing Pair | |
| | FP-1802202 | 8 | 20 | Rod Bearing Pair | |
| | FP-1802203 | 8 | 30 | Rod Bearing Pair | |
| | FP-1802220 | 1 | Std. | Main Bearing, Flanged | |
| | FP-1802221 | 1 | 10 | Main Bearing, Flanged | |
| | FP-1802222 | 1 | 20 | Main Bearing, Flanged | |
| | FP-1802223 | 1 | 30 | Main Bearing, Flanged | |
| | FP-1802216 | 4 | Std. | Main Bearing, Plain | |
| | FP-1802217 | 4 | 10 | Main Bearing, Plain | |
| | FP-1802218 | 4 | 20 | Main Bearing, Plain | |
| | FP-1802219 | 4 | 30 | Main Bearing, Plain | |
| | PGN6.9C | 1 | | Overhaul Gasket Set | |
| | FP-1804003 | 16 | | Connecting Rod Bolt | |
| | FP-1805866 | 16 | | Connecting Rod Nut | |
| | FP-1807974 | 1 | | Thermostat Kit | 192 degree Thermostat |



6.9L Engine

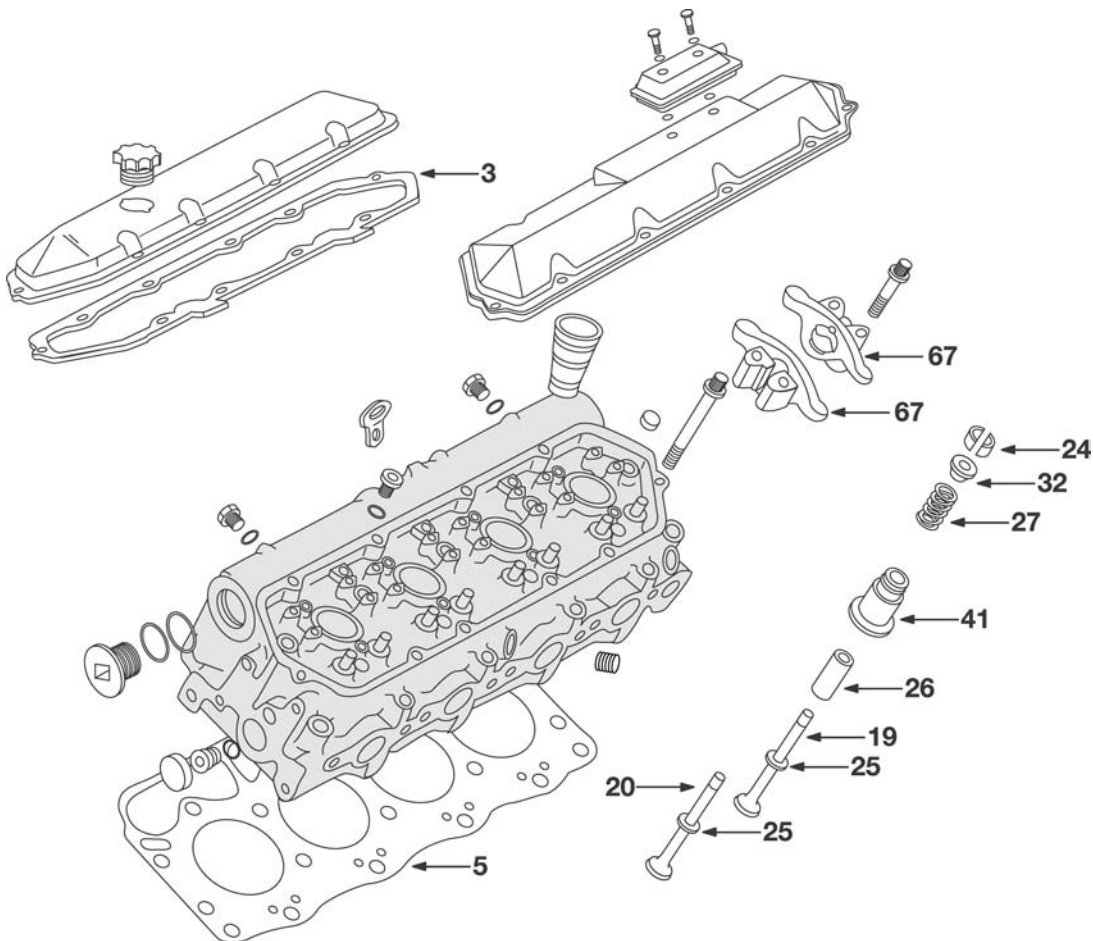
Global Technology Behind Every Part

6.9L Complete Overhaul – Late engines

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|----------------|-----------------|------|-----------|--------------------------------|--------------------------------------|
| FP-IFK-6.9E-OH | FP-1805944-WR | 8 | Std. | Piston w/Pin, Retainer & Rings | For engines with S/N 59208 and below |
| | FP-1805946-WR | 8 | 20 | Piston w/Pin, Retainer & Rings | For engines with S/N 59208 and below |
| | FP-1805947-WR | 8 | 30 | Piston w/Pin, Retainer & Rings | For engines with S/N 59208 and below |
| | FP-1805944WR 40 | 8 | 40 | Piston w/Pin, Retainer & Rings | For engines with S/N 59208 and below |
| | FP-1804000 | 8 | | Piston Pin Bushing | |
| | FP-1802200 | 8 | Std. | Rod Bearing Pair | |
| | FP-1802201 | 8 | 10 | Rod Bearing Pair | |
| | FP-1802202 | 8 | 20 | Rod Bearing Pair | |
| | FP-1802203 | 8 | 30 | Rod Bearing Pair | |
| | FP-1802220 | 1 | Std. | Main Bearing, Flanged | |
| | FP-1802221 | 1 | 10 | Main Bearing, Flanged | |
| | FP-1802222 | 1 | 20 | Main Bearing, Flanged | |
| | FP-1802223 | 1 | 30 | Main Bearing, Flanged | |
| | FP-1802216 | 4 | Std. | Main Bearing, Plain | |
| | FP-1802217 | 4 | 10 | Main Bearing, Plain | |
| | FP-1802218 | 4 | 20 | Main Bearing, Plain | |
| | FP-1802219 | 4 | 30 | Main Bearing, Plain | |
| | PGN6.9C | 1 | | Overhaul Gasket Set | |
| | FP-1804003 | 16 | | Connecting Rod Bolt | |
| | FP-1805866 | 16 | | Connecting Rod Nut | |
| | FP-1807974 | 1 | | Thermostat Kit | 192 degree Thermostat |

M/D Truck 6.9L Diesel Eng. H/D Truck 6.9L Diesel Eng. 32
6.9L 420 OHV Diesel V8 (IDI), 4" Bore 1980-90

CYL. HEAD & PARTS



| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|--------------------|-------|------------|------|---|
| 3 | 2 | Valve Cover Gasket | 88-82 | FP-1804052 | | |
| 5 | 2 | Head Gasket | 88-82 | FP-1804259 | | |
| | 1 | Head Set | 88-82 | FP-1811049 | | Int. manifold gskt. not incl. |
| REF # | QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 8 | Intake | 88-82 | FP-1804330 | | Chrome plated stem; 1.8770" Head Dia., .3719" Stem Dia., 5.6880" O.A.L. |
| 20 | 8 | Exhaust | 88-82 | FP-1811191 | | Chrome plated stem; 1.5950" Head Dia., .3719" Stem Dia., 5.6700" O.A.L. |
| 24 | 32 | Keeper | 88-82 | FP-41339 | | 1 groove; Square cut key groove |
| 24 | 32 | Keeper | 88-82 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 24 | 32 | Keeper | 88-82 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 24 | 32 | Keeper, Bulk | 88-82 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| REF # | QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 25 | 8 | Exh. | 88-83 | FP-1805249 | | 1.6690" OD, 1.3700" ID, .2710" Depth |
| 25 | 8 | Int. | 88-83 | FP-1805250 | | 1.9425" OD, 1.6875" ID, .2480" Depth |
| REF # | QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 26 | 16 | Guide | 88-83 | FP-1805407 | | Exh. & Int.; .3750" ID, 2.6000" O.A.L. |
| REF # | QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 16 | Spring | 88-83 | FP-317365 | | Incl. damper; 2.0500" Free Height |
| REF # | QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 16 | Push Rod | 88-82 | FP-1804338 | | Install w/copper colored ball toward rocker arm; 9.9890" O.A.L. |
| REF # | QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 32 | 16 | Rotocap | 88-83 | FP-1804467 | | |
| REF # | QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 41 | 16 | Valve Stem Seal | 88-83 | FP-681234 | | Umbrella type |
| 41 | 16 | Valve Stem Seal | 88-83 | FP-1804420 | | Umbrella type; Fits Std. to .015" O/S valve stem; Rubber. |

(continued on next page)

International/Navistar Truck

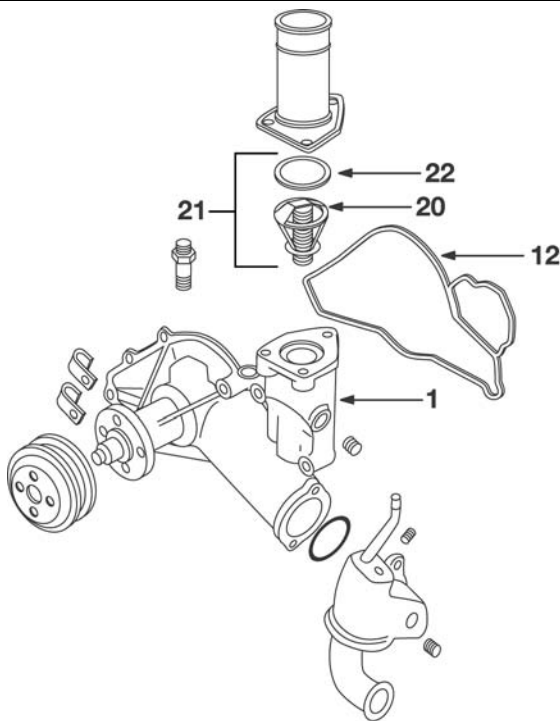


| 32 M/D Truck 6.9L Diesel Eng. H/D Truck 6.9L Diesel Eng. (cont.) 6.9L 420 OHV Diesel V8 (IDI), 4" Bore 1980-90 | | | | | |
|---|-----|-----------------------|-------|------------|---|
| CYL. HEAD & PARTS (cont.) | | | | | |
| REF # | QTY | ROCKER PARTS | YEARS | PART NO. | SIZE DESCRIPTION |
| 67 | 8 | Arm Assy. | 88-82 | R-1119 | Incl. 2-arms, 2-pivots & 1-retainer |
| | 16 | Arm | 88-82 | R-949 | Incl. 1-rocker arm |
| IGNITION | | | | | |
| | QTY | IGNITION | YEARS | PART NO. | SIZE DESCRIPTION |
| | 8 | Glow Plug | 88-82 | FP-1819649 | From Ser. No. 246734; Exc. Ser. Nos. 256300 through 256314, 256493, 268092 through 268106 |
| | 8 | Glow Plug | 88-82 | FP-1804211 | To Ser. No. 246733 and Ser. Nos. 256300 through 256314, 256493, 268092 through 268106 |
| INT & EXH MANIFOLDS | | | | | |
| | QTY | INT. & EXH. MANIFOLDS | YEARS | PART NO. | SIZE DESCRIPTION |
| | 1 | Valley Pan Gasket Set | 90-80 | FP-1813067 | |
| CAMSHAFT GROUP | | | | | |
| | | | | | |
| REF # | QTY | TIMING | YEARS | PART NO. | SIZE DESCRIPTION |
| | 1 | Gear Set | 88-82 | 221-3342S | Incl. (1) 221-3342S |
| REF # | QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE DESCRIPTION |
| 47 | 1 | Camshaft | 88-82 | CS-771 | |
| 54 | 16 | Lifter | 88-82 | FP-1804353 | Hyd. rlr. |
| | 1 | Prelube | 88-82 | 55-400 | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |
| FUEL SYSTEM & PARTS | | | | | |
| | QTY | FUEL FILTERS & PUMP | YEARS | PART NO. | SIZE DESCRIPTION |
| | 1 | Mechanical Fuel Pump | 88-83 | FP-1804495 | |

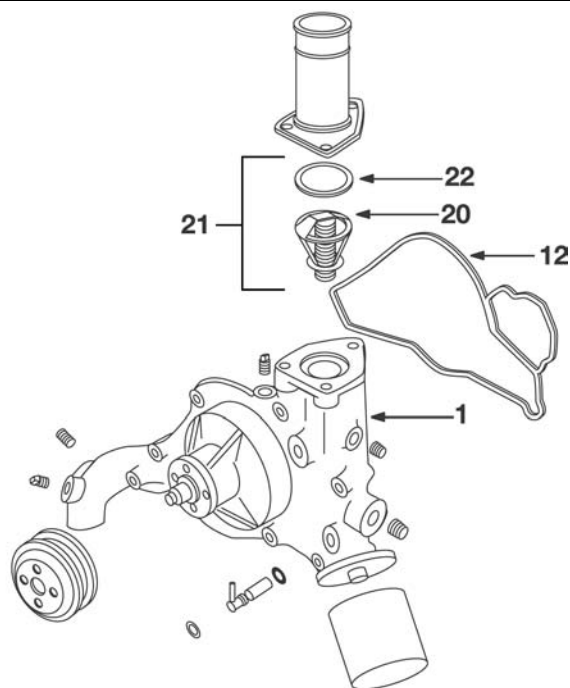
(continued on next page)

M/D Truck 6.9L Diesel Eng. H/D Truck 6.9L Diesel Eng. **32**
6.9L 420 OHV Diesel V8 (IDI), 4" Bore 1980-90 (cont.)

COOLING SYSTEM



**UP TO SERIAL NO.
58558**



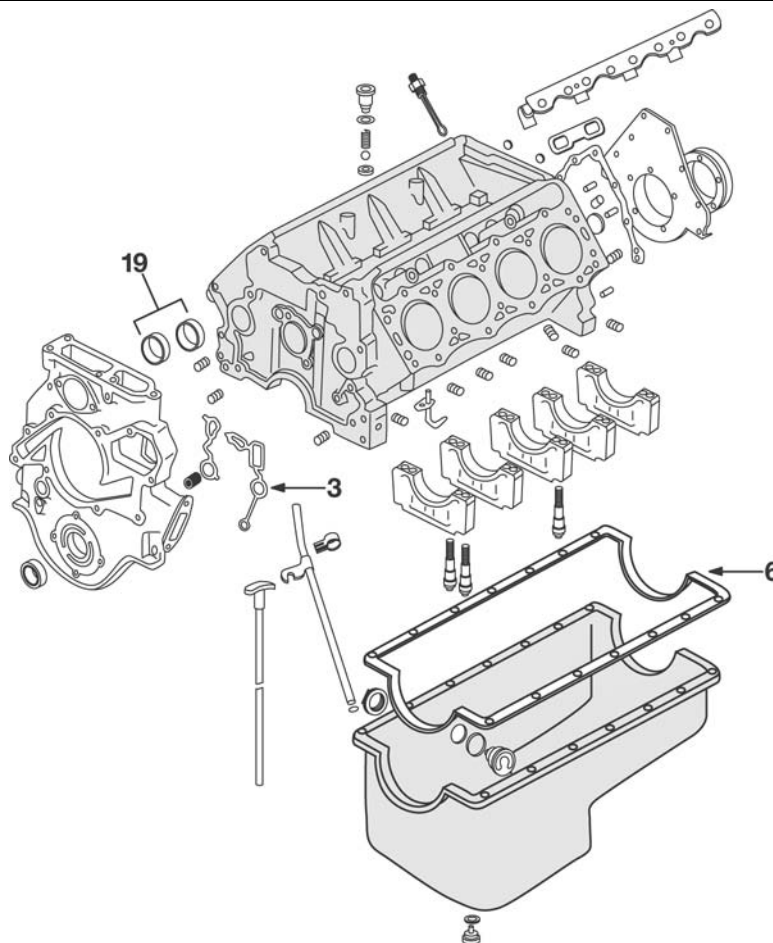
**FROM SERIAL NO.
58559**

| REF # | QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------|-------|------------|------|-----------------------|
| 1 | 1 | Water Pump - Heavy Duty | 88-83 | FP-1809374 | | |
| 12 | 1 | Water Pump Gasket | 88-83 | FP-1804136 | | |
| REF # | QTY | THERMOSTAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 20 | 1 | Thermostat | 88-82 | FP-1807945 | | 192 Deg. |
| 21 | 1 | Thermostat Kit | 88-82 | FP-1807974 | | 192 Deg.; Incl. gskt. |
| 22 | 1 | Thermostat Gasket | 88-82 | FP-1804032 | | |

(continued on next page)

32 M/D Truck 6.9L Diesel Eng. H/D Truck 6.9L Diesel Eng. (cont.) 6.9L 420 OHV Diesel V8 (IDI), 4" Bore 1980-90

ENGINE BLOCK & PARTS

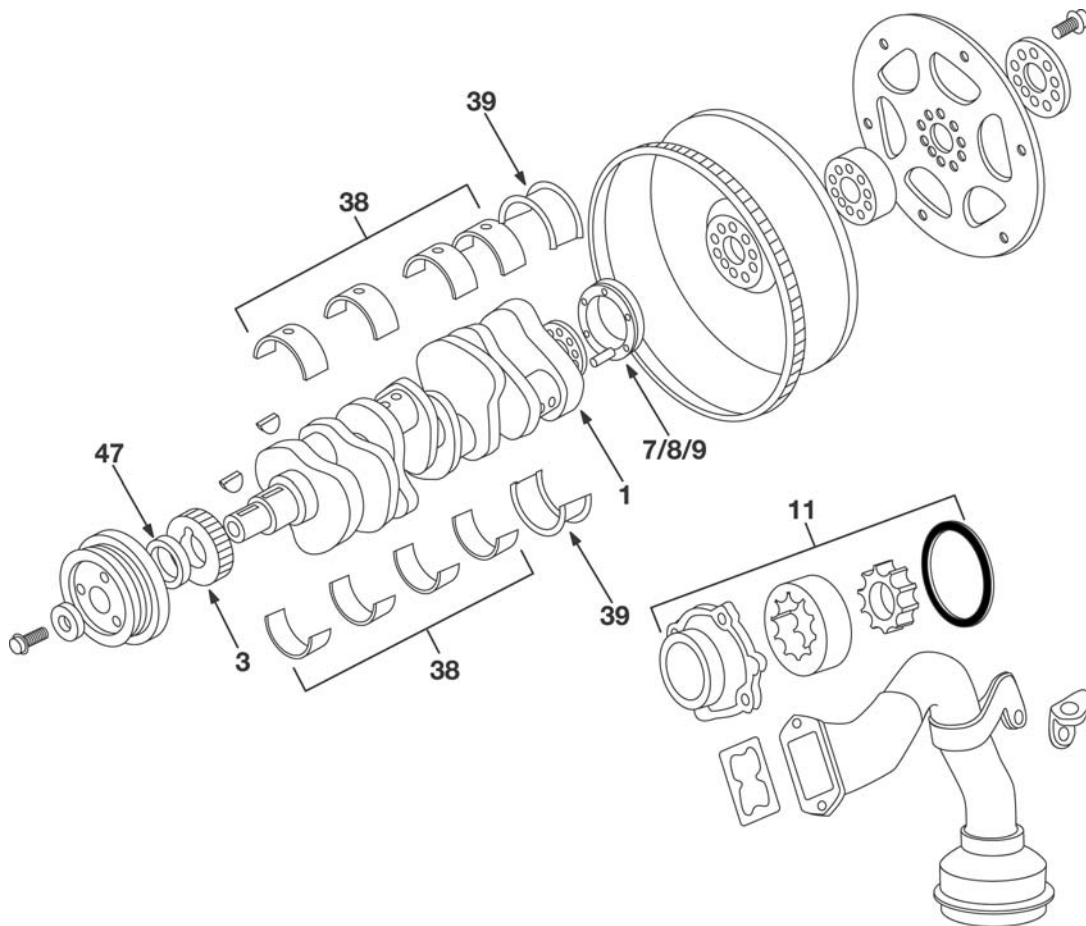


| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------------------|-------|------------|------|---|
| 3 | 1 | Front Crankcase Cover Gasket | 88-82 | FP-1804480 | | |
| 6 | 1 | Oil Pan Gasket Set | 90-80 | 260-6054 | | |
| | 1 | Chemicals | 88-82 | FP-446839 | | Front cover; RTV Sealant |
| REF # | QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Lower Gasket Set | 88-82 | FP-1802213 | | |
| | 1 | Kit Gasket Set | 90-80 | 260-1672 | | Int. manifold gskt. not incl.; Premium valve stem seals incl. |
| REF # | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 1 | Cam Set | 88-82 | FP-1804475 | STD | |
| REF # | QTY | FREEZE PLUGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Stainless Block Plug Kit | 88-84 | 381-8056 | | Incl. 7 centerless ground OD, stainless steel block plugs |

(continued on next page)

M/D Truck 6.9L Diesel Eng. H/D Truck 6.9L Diesel Eng. **32**
6.9L 420 OHV Diesel V8 (IDI), 4" Bore 1980-90 (cont.)

CRANKSHAFT/OIL PUMP

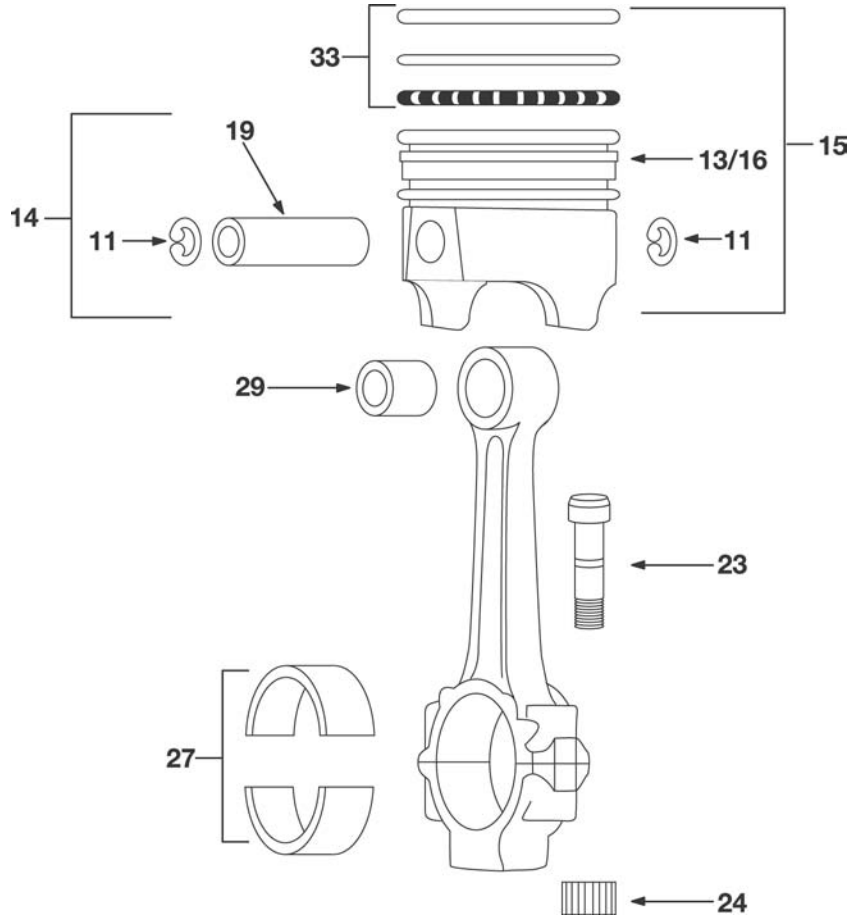


| REF # | QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|---------------------|-------|------------|--------------|------------------|
| 47 | 1 | Oil Seal | 88-83 | FP-1804009 | | Viton® |
| | 1 | Oil Seal Kit | 88-82 | 5066 | | (Seal & Sleeve) |
| REF # | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 7 | 1 | Oil Seal | 88-83 | FP-1816559 | | |
| 7 | 1 | Oil Seal | 88-82 | 39608 | | PTFE |
| 7 | 1 | Oil Seal | 88-82 | 3893V | | Viton® |
| 8 | 1 | Oil Seal Kit | 88-83 | FP-1819733 | | |
| 9 | 1 | Wear Sleeve | 88-83 | FP-1816569 | | |
| REF # | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Main Set | 88-82 | 5110M | Std-10-20-30 | |
| 38 | 4 | Plain Main Brg. | 88-82 | FP-1802216 | STD | Position 1-2-4-5 |
| 38 | 4 | Plain Main Brg. | 88-82 | FP-1802217 | 10 | Position 1-2-4-5 |
| 38 | 4 | Plain Main Brg. | 88-82 | FP-1802218 | 20 | Position 1-2-4-5 |
| 38 | 4 | Plain Main Brg. | 88-82 | FP-1802219 | 30 | Position 1-2-4-5 |
| 39 | 1 | Flanged Main Brg. | 88-82 | FP-1802220 | STD | Position 3 |
| 39 | 1 | Flanged Main Brg. | 88-82 | FP-1802221 | 10 | Position 3 |
| 39 | 1 | Flanged Main Brg. | 88-82 | FP-1802222 | 20 | Position 3 |
| 39 | 1 | Flanged Main Brg. | 88-82 | FP-1802223 | 30 | Position 3 |
| REF # | QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 11 | 1 | Oil Pump | 88-83 | FP-1805398 | | |

(continued on next page)

32 M/D Truck 6.9L Diesel Eng. H/D Truck 6.9L Diesel Eng. (cont.) 6.9L 420 OHV Diesel V8 (IDI), 4" Bore 1980-90

CYLINDER COMPONENTS



| REF # | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------------|-------|---------------------|------|---|
| 13 | 8 | Piston Body w/o Pin | 88-84 | FP-1805851 | STD | From Ser. No. 59208 |
| 13 | 8 | Piston Body w/o Pin | 88-84 | FP-1441102 | 20 | From Ser. No. 59208 |
| 13 | 8 | Piston Body w/o Pin | 88-84 | FP-1805854 | 30 | From Ser. No. 59208 |
| 13 | 8 | Piston Body w/o Pin | 88-84 | FP-180585140 | 40 | From Ser. No. 59208 |
| 13 | 8 | Piston Body w/o Pin | 83-82 | FP-1805231 | 20 | To Ser. No. 59207 |
| 13 | 8 | Piston Body w/o Pin | 83-82 | FP-1805232 | 30 | To Ser. No. 59207 |
| 13 | 8 | Piston Body w/o Pin | 83-82 | FP-180521240 | 40 | To Ser. No. 59207 |
| 13 | 8 | Piston Body w/o Pin | 83-82 | FP-1805851 | STD | To Ser. No. 59207; Replace in sets only |
| 13 | 8 | Piston Body w/o Pin | 83-82 | FP-1441102 | 20 | To Ser. No. 59207; Replace in sets only |
| 13 | 8 | Piston Body w/o Pin | 83-82 | FP-1805854 | 30 | To Ser. No. 59207; Replace in sets only |
| 13 | 8 | Piston Body w/o Pin | 83-82 | FP-180585140 | 40 | To Ser. No. 59207; Replace in sets only |
| 14 | 8 | Piston Kit w/Pin & Retainers | 88-84 | FP-1805816 | STD | From Ser. No. 59208 |
| 14 | 8 | Piston Kit w/Pin & Retainers | 88-84 | FP-1805818 | 20 | From Ser. No. 59208 |
| 14 | 8 | Piston Kit w/Pin & Retainers | 88-84 | FP-1805819 | 30 | From Ser. No. 59208 |
| 14 | 8 | Piston Kit w/Pin & Retainers | 83-82 | FP-1805816 | STD | To Ser. No. 59207; Replace in sets only |
| 14 | 8 | Piston Kit w/Pin & Retainers | 83-82 | FP-1805818 | 20 | To Ser. No. 59207; Replace in sets only |
| 14 | 8 | Piston Kit w/Pin & Retainers | 83-82 | FP-1805819 | 30 | To Ser. No. 59207; Replace in sets only |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 88-84 | FP-1805816WR | STD | From Ser. No. 59208 |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 88-84 | FP-1805818WR | 20 | From Ser. No. 59208 |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 88-84 | FP-1805819WR | 30 | From Ser. No. 59208 |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 83-82 | FP-1805816WR | STD | To Ser. No. 59207; Replace in sets only |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 83-82 | FP-1805818WR | 20 | To Ser. No. 59207; Replace in sets only |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 83-82 | FP-1805819WR | 30 | To Ser. No. 59207; Replace in sets only |
| 16 | 8 | Cast Piston | 88-84 | FP-H729CP | STD | From 10/3/83; Hypereutectic; 2-5/64", 1-7/64" Ring Groove, 1.937" CD, 1.1100" Pin Dia., Ricardo Cup Head; DUROSHIELD® skirt coated piston |
| 16 | 8 | Cast Piston | 88-84 | FP-H729CP20 | 20 | From 10/3/83; Hypereutectic; 2-5/64", 1-7/64" Ring Groove, 1.937" CD, 1.1100" Pin Dia., Ricardo Cup Head; DUROSHIELD® skirt coated piston |

(continued on next page)

M/D Truck 6.9L Diesel Eng. H/D Truck 6.9L Diesel Eng. **32**
6.9L 420 OHV Diesel V8 (IDI), 4" Bore 1980-90 (cont.)

CYLINDER COMPONENTS (cont.)

| REF # | QTY | PISTONS (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|--------------------------|-------|--------------|------|---|
| 16 | 8 | Cast Piston | 88-84 | FP-H729CP30 | 30 | From 10/3/83; Hypereutectic; 2-5/64", 1-7/64" Ring Groove, 1.937" CD, 1.1100" Pin Dia., Ricardo Cup Head; DUROSHIELD® skirt coated piston |
| 16 | 8 | Cast Piston - Individual | 88-84 | FP-WH729CP | STD | From 10/3/83; Hypereutectic; 2-5/64", 1-7/64" Ring Groove, 1.937" CD, 1.1100" Pin Dia., Ricardo Cup Head; DUROSHIELD® skirt coated piston |
| 16 | 8 | Cast Piston - Individual | 88-84 | FP-WH729CP20 | 20 | From 10/3/83; Hypereutectic; 2-5/64", 1-7/64" Ring Groove, 1.937" CD, 1.1100" Pin Dia., Ricardo Cup Head; DUROSHIELD® skirt coated piston |
| 16 | 8 | Cast Piston - Individual | 88-84 | FP-WH729CP30 | 30 | From 10/3/83; Hypereutectic; 2-5/64", 1-7/64" Ring Groove, 1.937" CD, 1.1100" Pin Dia., Ricardo Cup Head; DUROSHIELD® skirt coated piston |
| 19 | 8 | Pin | 88-82 | FP-1804321 | | |
| 11 | 16 | Piston Pin Retainer | 88-82 | FP-1804308 | | |
| 29 | 8 | Pin Bushing | 88-82 | FP-1804000 | | |
| REF # | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 23 | 16 | Con. Rod Bolt | 88-83 | FP-1804003 | | |
| 24 | 16 | Con. Rod Nut | 88-83 | FP-1805866 | | |
| 27 | 8 | Rod Pair | 88-82 | FP-1802200 | STD | |
| 27 | 8 | Rod Pair | 88-82 | FP-1802201 | 10 | |
| 27 | 8 | Rod Pair | 88-82 | FP-1802202 | 20 | |
| 27 | 8 | Rod Pair | 88-82 | FP-1802203 | 30 | |
| REF # | QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 33 | 8 | Ring Set Single Cylinder | 88-84 | FP-1802210 | 20 | |
| 33 | 8 | Ring Set Single Cylinder | 88-84 | FP-1802211 | 30 | |
| 33 | 8 | Ring Set Single Cylinder | 88-84 | FP-1802212 | 40 | |
| 33 | 8 | Ring Set Single Cylinder | 88-84 | FP-1802208 | STD | 2-5/64, 1-7/64; 2nd ring gap is .060-.075" like O.E. ring |
| 33 | 8 | Ring Set Single Cylinder | 83-82 | FP-1802210 | 20 | Use w/FP1441102 or FP1805818 |
| 33 | 8 | Ring Set Single Cylinder | 83-82 | FP-1802208 | STD | Use w/FP1805851 or FP1805816; 2-5/64, 1-7/64; 2nd ring gap is .060-.075" like O.E. ring |
| 33 | 8 | Ring Set Single Cylinder | 83-82 | FP-1802212 | 40 | Use w/FP1805851-40 or FP1805816-40 |
| 33 | 8 | Ring Set Single Cylinder | 83-82 | FP-1802211 | 30 | Use w/FP1805854 or FP1805819 |
| KITS | | | | | | |
| | QTY | OVERHAUL KIT | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | In-Frame Overhaul Kit | 88-82 | FP-IFK69L | | |
| | 1 | Complete Overhaul Kit | 88-82 | FP-IFK69LOH | | |



7.3L/T444E Engine

Global Technology Behind Every Part

Overview

The 7.3 LITER diesel engine was first introduced in 1988. The 7.3 Liter designation was used until 1995. In late 1993, the 7.3L DIT/T444E version of the engine family was introduced and continues today as the T444E. Both versions are used in On-Highway truck and bus applications.

| | |
|---------------------------------|---|
| Engine Type | Diesel, 4-cycle |
| Configuration..... | V8 |
| Displacement | 444 cu. In. (7.3 Liters) |
| Bore and Stroke | 4.110 x 4.180 in. (104.4 x 106.2 mm) |
| Combustion System..... | 7.3L = Direct Injection and Indirect Injection T444E = Direct Injection only. |
| Total Engine Weight (Dry) | 7.3L = 860 lb. (390 kg) T444E = 930 lb. (422 kg) |

The 7.3L can be identified by the permanent engine number stamped on the front top left side of the engine. The first three positions indicate the engine displacement. The fourth digit indicates either naturally aspirated or turbocharged. The fifth and sixth digits indicate the use of the engine, for example M2 would indicate that the engine was built for truck use. The seventh digit indicates what country the engine was built in, for example the letter U indicates that the engine was built in the U.S.A. The rest of the digits represent the specific engine serial number. The 7.3L engine serial numbers begin with 500001. A typical serial number would look like this: 73LFM2U456789.

The T444E can be identified by the serial number stamped on the lower rear left hand side of the engine crankcase, just right of the lube oil filter header. The 7.3DIT/T444E engine serial numbers begin with 000500.





7.3L/T444E Engine

Global Technology Behind Every Part

7.3L In-Frame Overhaul – Early engines

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|--------------------|---------------|------|-----------|--------------------------------|-----------------------|
| FP-IFK-7.3E | FP-1813119-WR | 8 | Std. | Piston w/Pin, Retainer & Rings | To Serial No 598753 |
| | FP-1813120-WR | 8 | 10 | Piston w/Pin, Retainer & Rings | To Serial No 598753 |
| | FP-1813121-WR | 8 | 20 | Piston w/Pin, Retainer & Rings | To Serial No 598753 |
| | FP-1813122-WR | 8 | 30 | Piston w/Pin, Retainer & Rings | To Serial No 598753 |
| | FP-1802200 | 8 | Std. | Rod Bearing Pair | |
| | FP-1802201 | 8 | 10 | Rod Bearing Pair | |
| | FP-1802202 | 8 | 20 | Rod Bearing Pair | |
| | FP-1802203 | 8 | 30 | Rod Bearing Pair | |
| | FP-1802220 | 1 | Std. | Main Bearing, Flanged | |
| | FP-1802221 | 1 | 10 | Main Bearing, Flanged | |
| | FP-1802222 | 1 | 20 | Main Bearing, Flanged | |
| | FP-1802223 | 1 | 30 | Main Bearing, Flanged | |
| | FP-1802216 | 4 | Std. | Main Bearing, Plain | |
| | FP-1802217 | 4 | 10 | Main Bearing, Plain | |
| | FP-1802218 | 4 | 20 | Main Bearing, Plain | |
| | FP-1802219 | 4 | 30 | Main Bearing, Plain | |
| | 260-6054 | 1 | | Oil Pan Gasket Set | |
| | FP-1811050 | 1 | | Head Gasket Set | |
| | FP-1813067 | 1 | | Valley Pan Gasket Set | |
| | FP-1807974 | 1 | | Thermostat Kit | 192 degree Thermostat |



7.3L/T444E Engine

Global Technology Behind Every Part

7.3L In-Frame Overhaul – Late engines

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|-------------|---------------|------|-----------|--------------------------------|-----------------------|
| FP-IFK-7.3L | FP-1816674-WR | 8 | Std. | Piston w/Pin, Retainer & Rings | From Serial No 598754 |
| | FP-1816676-WR | 8 | 20 | Piston w/Pin, Retainer & Rings | From Serial No 598754 |
| | FP-1816677-WR | 8 | 30 | Piston w/Pin, Retainer & Rings | From Serial No 598754 |
| | FP-1802200 | 8 | Std. | Rod Bearing Pair | |
| | FP-1802201 | 8 | 10 | Rod Bearing Pair | |
| | FP-1802202 | 8 | 20 | Rod Bearing Pair | |
| | FP-1802203 | 8 | 30 | Rod Bearing Pair | |
| | FP-1802220 | 1 | Std. | Main Bearing, Flanged | |
| | FP-1802221 | 1 | 10 | Main Bearing, Flanged | |
| | FP-1802222 | 1 | 20 | Main Bearing, Flanged | |
| | FP-1802223 | 1 | 30 | Main Bearing, Flanged | |
| | FP-1802216 | 4 | Std. | Main Bearing, Plain | |
| | FP-1802217 | 4 | 10 | Main Bearing, Plain | |
| | FP-1802218 | 4 | 20 | Main Bearing, Plain | |
| | FP-1802219 | 4 | 30 | Main Bearing, Plain | |
| | 260-6054 | 1 | | Oil Pan Gasket Set | |
| | FP-1811050 | 1 | | Head Gasket Set | |
| | FP-1813067 | 1 | | Valley Pan Gasket Set | |
| | FP-1807974 | 1 | | Thermostat Kit | 192 degree Thermostat |



7.3L/T444E Engine

Global Technology Behind Every Part

T444E In-Frame Overhaul

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|---------------------|---------------|------|-----------|--------------------------------|------------------|
| FP-IFK-T444E | FP-1830953 | 8 | Std. | Piston w/Pin, Retainer & Rings | |
| | FP-1830954 | 8 | 20 | Piston w/Pin, Retainer | |
| | FP-1830955 | 8 | 30 | Piston w/Pin, Retainer | |
| | FP-1830956 | 8 | 40 | Piston w/Pin, Retainer | |
| | FP-1812301 | 8 | Std. | Rod Bearing Pair | |
| | FP-1812302 | 8 | 10 | Rod Bearing Pair | |
| | FP-1812303 | 8 | 20 | Rod Bearing Pair | |
| | FP-1812304 | 8 | 30 | Rod Bearing Pair | |
| | FP-1812325 | 1 | Std. | Main Bearing, Flanged | |
| | FP-1812326 | 1 | 10 | Main Bearing, Flanged | |
| | FP-1812327 | 1 | 20 | Main Bearing, Flanged | |
| | FP-1812328 | 1 | 30 | Main Bearing, Flanged | |
| | FP-1812321 | 4 | Std. | Main Bearing, Plain | |
| | FP-1812322 | 4 | 10 | Main Bearing, Plain | |
| | FP-1812323 | 4 | 20 | Main Bearing, Plain | |
| | FP-1812324 | 4 | 30 | Main Bearing, Plain | |
| | PGT444S | 1 | | In-Frame Gasket Set | |



7.3L/T444E Engine

Global Technology Behind Every Part

7.3L Complete Overhaul – Early engines

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|----------------|---------------|------|-----------|--------------------------------|-----------------------|
| FP-IFK-7.3E-OH | FP-1813119-WR | 8 | Std. | Piston w/Pin, Retainer & Rings | To Serial No 598753 |
| | FP-1813120-WR | 8 | 10 | Piston w/Pin, Retainer & Rings | To Serial No 598753 |
| | FP-1813121-WR | 8 | 20 | Piston w/Pin, Retainer & Rings | To Serial No 598753 |
| | FP-1813122-WR | 8 | 30 | Piston w/Pin, Retainer & Rings | To Serial No 598753 |
| | FP-1804000 | 8 | | Piston Pin Bushing | |
| | FP-1802200 | 8 | Std. | Rod Bearing Pair | |
| | FP-1802201 | 8 | 10 | Rod Bearing Pair | |
| | FP-1802202 | 8 | 20 | Rod Bearing Pair | |
| | FP-1802203 | 8 | 30 | Rod Bearing Pair | |
| | FP-1802220 | 1 | Std. | Main Bearing, Flanged | |
| | FP-1802221 | 1 | 10 | Main Bearing, Flanged | |
| | FP-1802222 | 1 | 20 | Main Bearing, Flanged | |
| | FP-1802223 | 1 | 30 | Main Bearing, Flanged | |
| | FP-1802216 | 4 | Std. | Main Bearing, Plain | |
| | FP-1802217 | 4 | 10 | Main Bearing, Plain | |
| | FP-1802218 | 4 | 20 | Main Bearing, Plain | |
| | FP-1802219 | 4 | 30 | Main Bearing, Plain | |
| | PGN7.3C | 1 | | Overhaul Gasket Set | |
| | FP-1813067 | 1 | | Valley Pan Gasket Set | |
| | FP-1804003 | 16 | | Connecting Rod Bolt | |
| | FP-1805866 | 16 | | Connecting Rod Nut | |
| | FP-1807974 | 1 | | Thermostat Kit | 192 degree Thermostat |



7.3L/T444E Engine

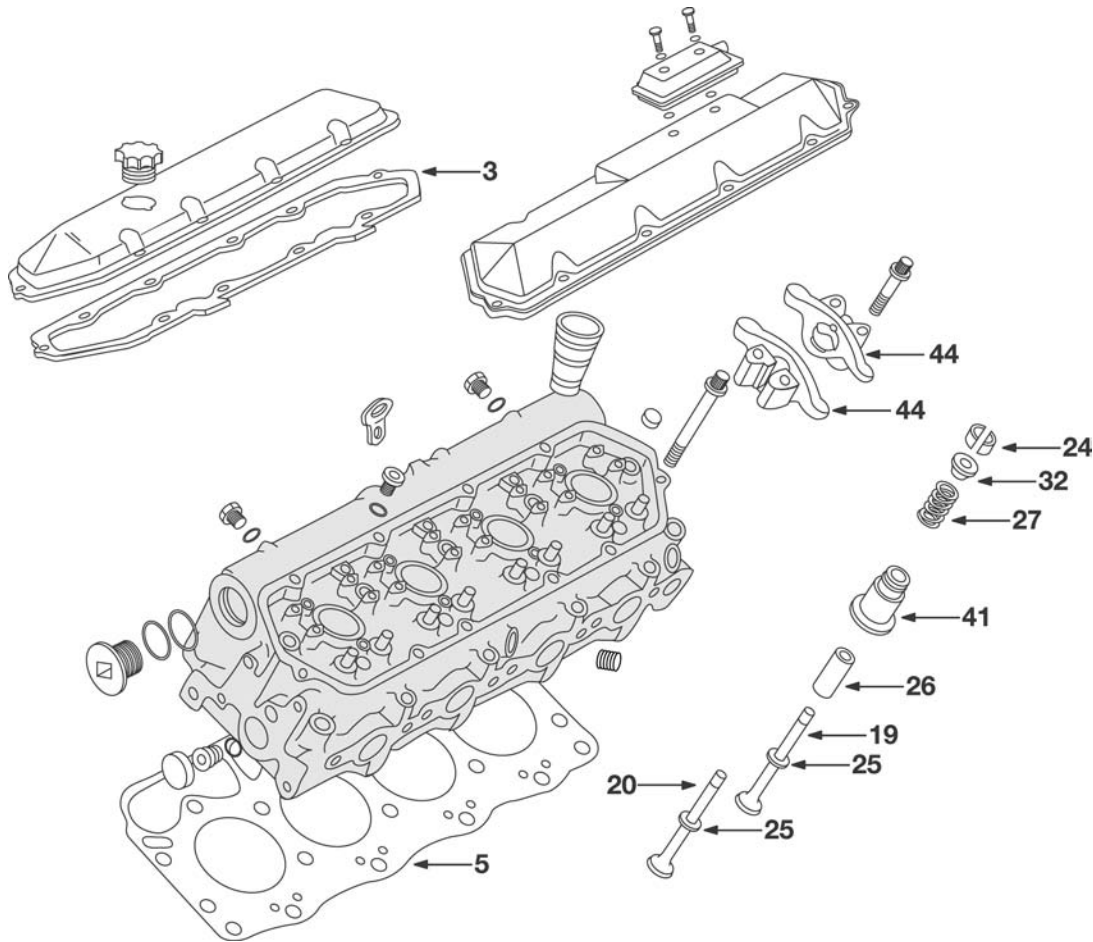
Global Technology Behind Every Part

7.3L Complete Overhaul – Late engines

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|----------------|---------------|------|-----------|--------------------------------|-----------------------|
| FP-IFK-7.3L-OH | FP-1816674-WR | 8 | Std. | Piston w/Pin, Retainer & Rings | From Serial No 598754 |
| | FP-1816676-WR | 8 | 20 | Piston w/Pin, Retainer & Rings | From Serial No 598754 |
| | FP-1816677-WR | 8 | 30 | Piston w/Pin, Retainer & Rings | From Serial No 598754 |
| | FP-1804000 | 8 | | Piston Pin Bushing | |
| | FP-1802200 | 8 | Std. | Rod Bearing Pair | |
| | FP-1802201 | 8 | 10 | Rod Bearing Pair | |
| | FP-1802202 | 8 | 20 | Rod Bearing Pair | |
| | FP-1802203 | 8 | 30 | Rod Bearing Pair | |
| | FP-1802220 | 1 | Std. | Main Bearing, Flanged | |
| | FP-1802221 | 1 | 10 | Main Bearing, Flanged | |
| | FP-1802222 | 1 | 20 | Main Bearing, Flanged | |
| | FP-1802223 | 1 | 30 | Main Bearing, Flanged | |
| | FP-1802216 | 4 | Std. | Main Bearing, Plain | |
| | FP-1802217 | 4 | 10 | Main Bearing, Plain | |
| | FP-1802218 | 4 | 20 | Main Bearing, Plain | |
| | FP-1802219 | 4 | 30 | Main Bearing, Plain | |
| | PGN7.3C | 1 | | Overhaul Gasket Set | |
| | FP-1813067 | 1 | | Valley Pan Gasket Set | |
| | FP-1804003 | 16 | | Connecting Rod Bolt | |
| | FP-1805866 | 16 | | Connecting Rod Nut | |
| | FP-1807974 | 1 | | Thermostat Kit | 192 degree Thermostat |

33 M/D Truck 7.3L Diesel Eng. 7.3L 444 OHV Diesel V8 (IDI), 4.11" Bore 1988-93

CYL. HEAD & PARTS



| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|--------------------|-------|------------|------|---|
| 3 | 1 | Valve Cover Gasket | 93-88 | FP-1804052 | | |
| 5 | 2 | Head Gasket | 93-88 | FP-1809057 | | |
| | 1 | Head Set | 93-88 | FP-1811050 | | Int. manifold gskt. not incl. |
| REF # | QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 8 | Intake | 93-88 | FP-1804330 | | Chrome plated stem; 1.8770" Head Dia., .3719" Stem Dia., 5.6880" O.A.L. |
| 20 | 8 | Exhaust | 93-88 | FP-1811191 | | Chrome plated stem; 1.5950" Head Dia., .3719" Stem Dia., 5.6700" O.A.L. |
| 24 | 32 | Keeper | 93-88 | FP-41339 | | 1 groove; Square cut key groove |
| 24 | 32 | Keeper | 93-88 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 24 | 32 | Keeper | 93-88 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 24 | 32 | Keeper, Bulk | 93-88 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| REF # | QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 25 | 8 | Exh. | 93-88 | FP-1805249 | | 1.6690" OD, 1.3700" ID, .2710" Depth |
| 25 | 8 | Int. | 93-88 | FP-1805250 | | 1.9425" OD, 1.6875" ID, .2480" Depth |
| REF # | QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 26 | 16 | Guide | 93-88 | FP-1805407 | | Exh. & Int.; .3750" ID, 2.6000" O.A.L. |
| REF # | QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 16 | Spring | 93-88 | FP-317365 | | Incl. damper; 2.0500" Free Height |
| REF # | QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 16 | Push Rod | 93-88 | FP-1804338 | | Install w/copper colored ball toward rocker arm; 9.9890" O.A.L. |
| REF # | QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 32 | 16 | Rotocap | 93-88 | FP-1804467 | | |
| REF # | QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 41 | 8 | Valve Stem Seal | 93-88 | FP-681234 | | Int.; Umbrella type |

(continued on next page)

M/D Truck 7.3L Diesel Eng. 33
7.3L 444 OHV Diesel V8 (IDI), 4.11" Bore 1988-93 (cont.)

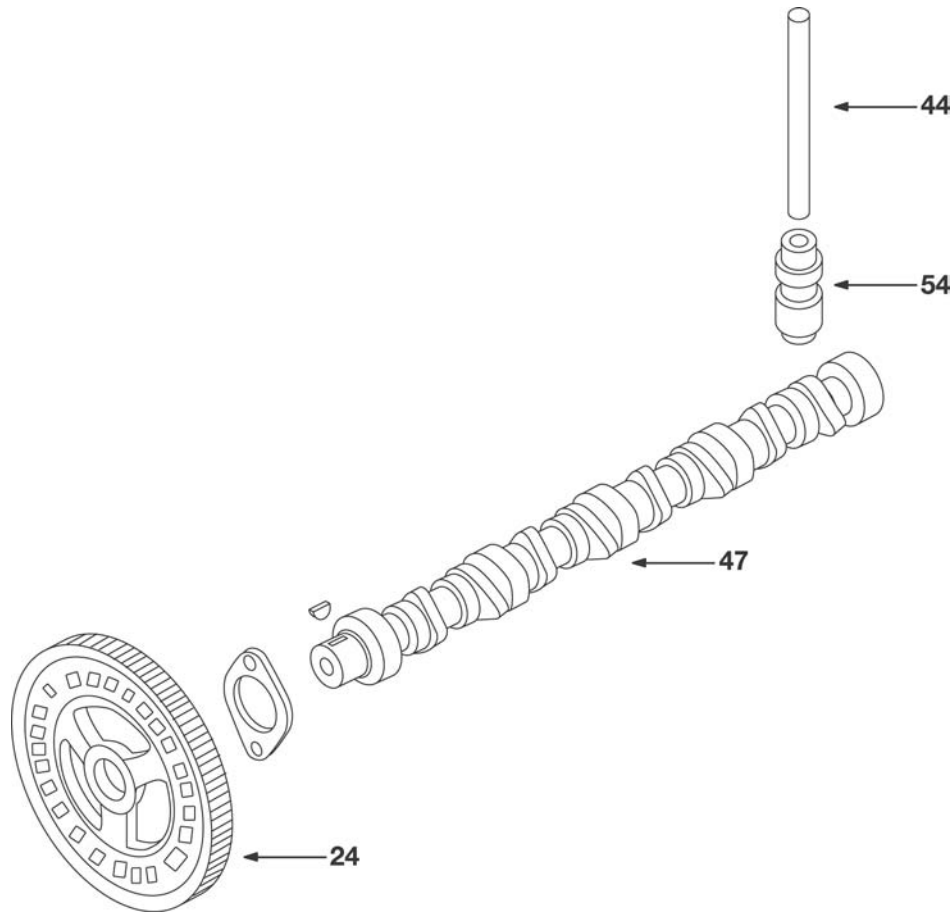
CYL. HEAD & PARTS (cont.)

| REF # | QTY | VALVE SEAL (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|--------------------|-------|------------|------|---|
| 41 | 8 | Valve Stem Seal | 93-88 | FP-1804420 | | Int.; Umbrella type; Fits Std. to .015" O/S valve stem; Rubber. |
| REF # | QTY | ROCKER PARTS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 44 | 8 | Arm Assy. | 93-88 | R-1119 | | Incl. 2-arms, 2-pivots & 1-retainer |
| | 16 | Arm | 93-88 | R-949 | | Incl. 1-rocker arm |

INT & EXH MANIFOLDS

| | QTY | INT. & EXH. MANIFOLDS | YEARS | PART NO. | SIZE | DESCRIPTION |
|--|-----|-----------------------|-------|------------|------|-------------|
| | 1 | Valley Pan Gasket Set | 93-88 | FP-1813067 | | |

CAMSHAFT GROUP



| REF # | QTY | TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-----------------|-------|------------|------|---|
| | 1 | Gear Set | 93-88 | 221-3342S | | Incl. (1) 221-3342S |
| REF # | QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 47 | 1 | Camshaft | 93-88 | CS-771 | | |
| 54 | 16 | Lifter | 93-88 | FP-1804353 | | Hyd. rlr. |
| | 1 | Prelube | 93-88 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |

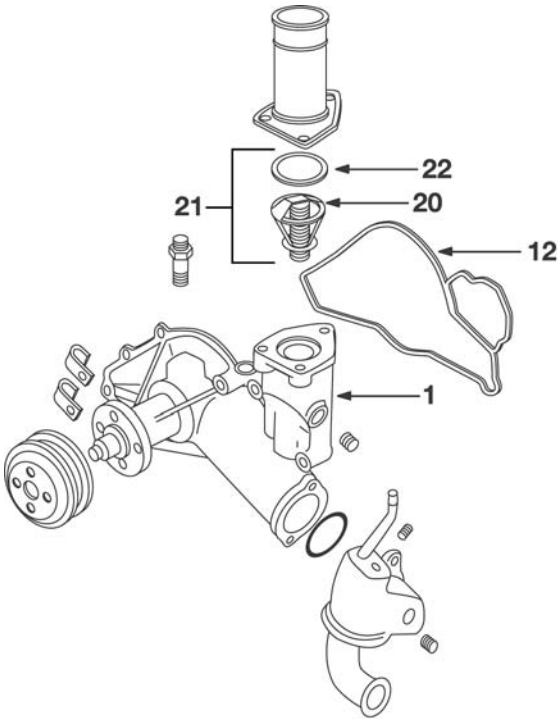
FUEL SYSTEM & PARTS

| | QTY | FUEL FILTERS & PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
|--|-----|----------------------|-------|------------|------|-------------|
| | 1 | Mechanical Fuel Pump | 93-88 | FP-1804495 | | |

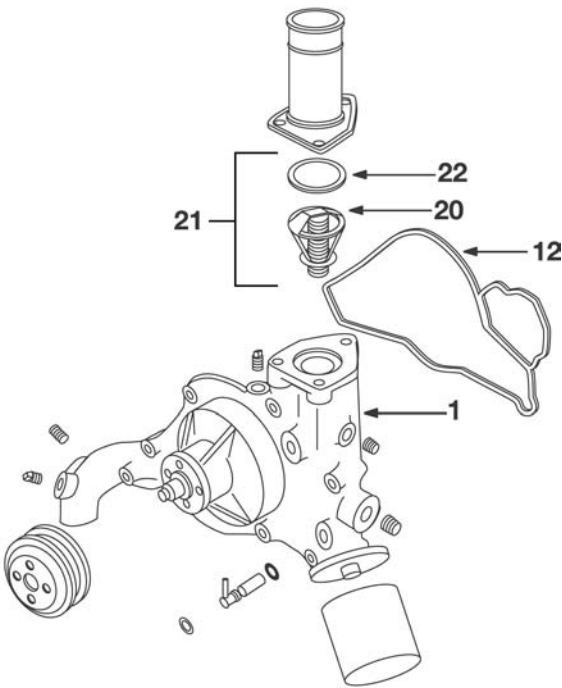
(continued on next page)

33 M/D Truck 7.3L Diesel Eng.
(cont.) 7.3L 444 OHV Diesel V8 (IDI), 4.11" Bore 1988-93

COOLING SYSTEM



**UP TO SERIAL NO.
58558**

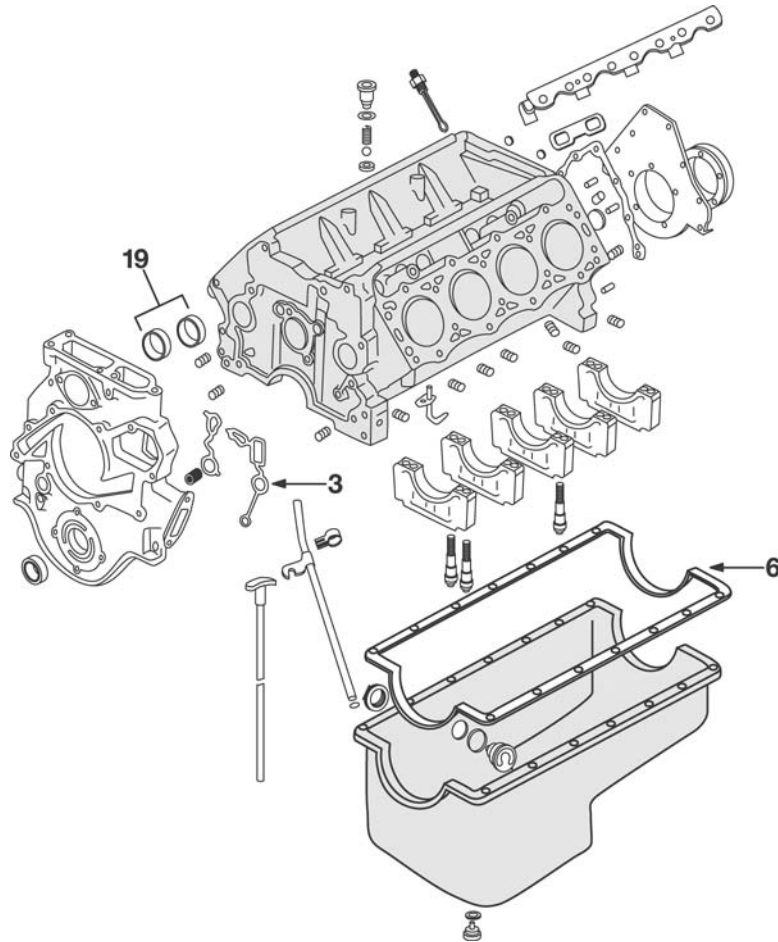


**FROM SERIAL NO.
58559**

| REF # | QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------|-------|------------|------|-----------------------|
| 1 | 1 | Water Pump - Heavy Duty | 93-88 | FP-1809374 | | |
| 12 | 1 | Water Pump Gasket | 93-88 | FP-1804136 | | |
| REF # | QTY | THERMOSTAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 20 | 1 | Thermostat | 93-88 | FP-1807945 | | 192 Deg. |
| 21 | 1 | Thermostat Kit | 93-88 | FP-1807974 | | 192 Deg.; Incl. gskt. |
| 22 | 1 | Thermostat Gasket | 93-88 | FP-1804032 | | |

(continued on next page)

ENGINE BLOCK & PARTS

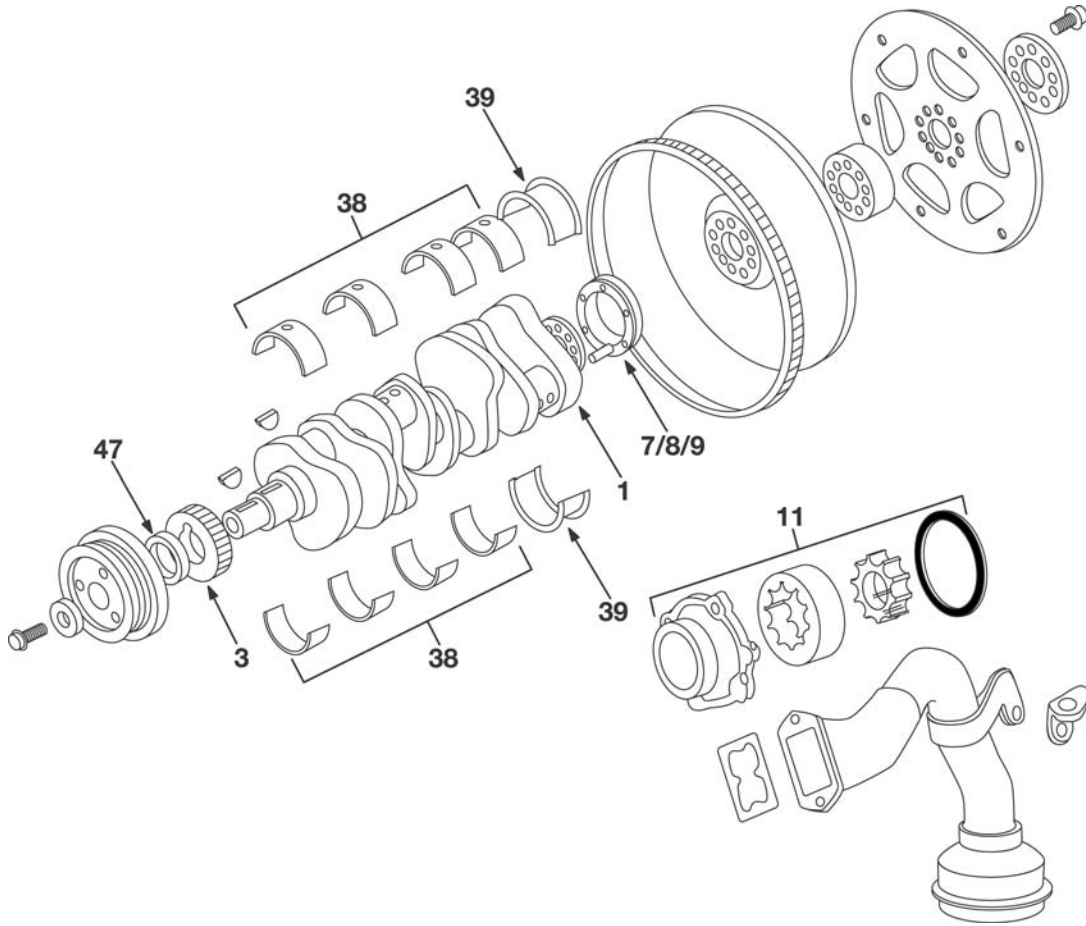


| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------------------|-------|------------|------|---|
| 3 | 1 | Front Crankcase Cover Gasket | 93-88 | FP-1804480 | | |
| 6 | 1 | Oil Pan Gasket Set | 93-88 | 260-6054 | | |
| REF # | QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Lower Gasket Set | 93-88 | FP-1802213 | | |
| | 1 | Kit Gasket Set | 93-88 | 260-1673 | | Int. manifold gskt. not incl.; Premium valve stem seals incl. |
| REF # | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 1 | Cam Set | 93-88 | FP-1804475 | STD | |
| REF # | QTY | FREEZE PLUGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Stainless Block Plug Kit | 93-88 | 381-8056 | | Incl. 7 centerless ground OD, stainless steel block plugs |

(continued on next page)

33 M/D Truck 7.3L Diesel Eng. (cont.) 7.3L 444 OHV Diesel V8 (IDI), 4.11" Bore 1988-93

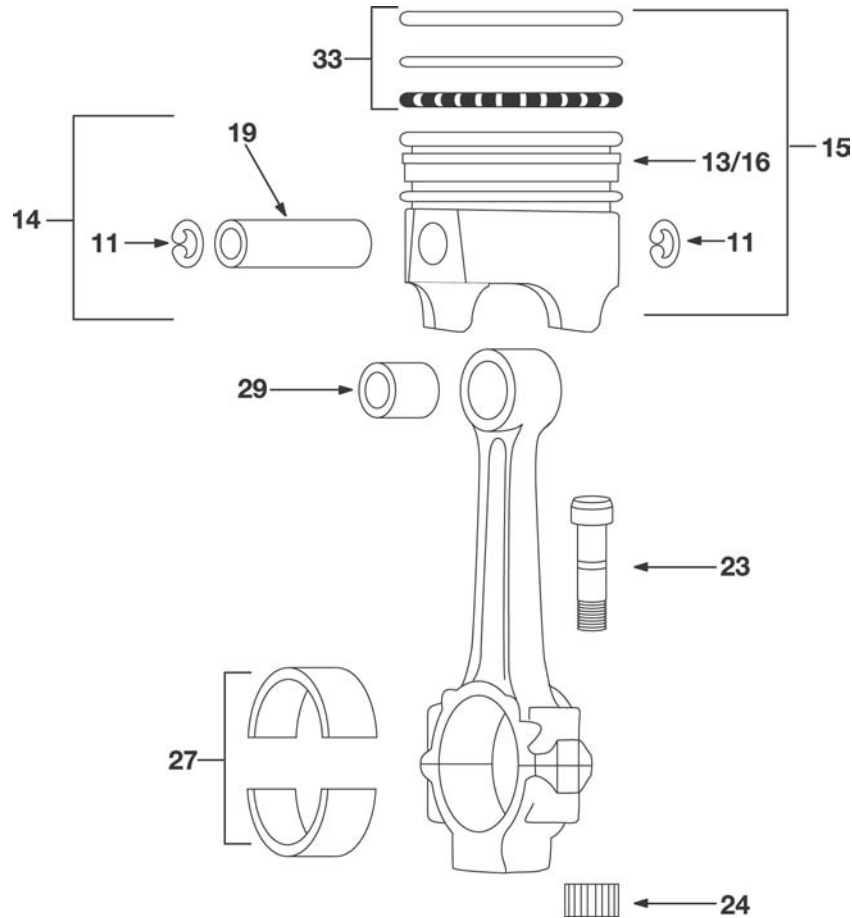
CRANKSHAFT/OIL PUMP



| REF # | QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|---------------------|-------|------------|--------------|------------------|
| 47 | 1 | Oil Seal | 93-88 | FP-1804009 | | Viton® |
| | 1 | Oil Seal Kit | 93-88 | 5066 | | (Seal & Sleeve) |
| REF # | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 7 | 1 | Oil Seal | 93-88 | FP-1816559 | | |
| 7 | 1 | Oil Seal | 93-88 | 39608 | | PTFE |
| 7 | 1 | Oil Seal | 93-88 | 3893V | | Viton® |
| 8 | 1 | Oil Seal Kit | 93-88 | FP-1819733 | | |
| 9 | 1 | Wear Sleeve | 93-88 | FP-1816569 | | |
| REF # | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Main Set | 93-88 | 5110M | Std-10-20-30 | |
| 38 | 4 | Plain Main Brg. | 93-88 | FP-1802216 | STD | Position 1-2-4-5 |
| 38 | 4 | Plain Main Brg. | 93-88 | FP-1802217 | 10 | Position 1-2-4-5 |
| 38 | 4 | Plain Main Brg. | 93-88 | FP-1802218 | 20 | Position 1-2-4-5 |
| 38 | 4 | Plain Main Brg. | 93-88 | FP-1802219 | 30 | Position 1-2-4-5 |
| 39 | 1 | Flanged Main Brg. | 93-88 | FP-1802220 | STD | Position 3 |
| 39 | 1 | Flanged Main Brg. | 93-88 | FP-1802221 | 10 | Position 3 |
| 39 | 1 | Flanged Main Brg. | 93-88 | FP-1802222 | 20 | Position 3 |
| 39 | 1 | Flanged Main Brg. | 93-88 | FP-1802223 | 30 | Position 3 |
| REF # | QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 11 | 1 | Oil Pump | 93-88 | FP-1805398 | | |

(continued on next page)

CYLINDER COMPONENTS



| REF # | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------------|-------|--------------|------|----------------------|
| 13 | 8 | Piston Body w/o Pin | 93-88 | FP-1816562 | STD | From Ser. No. 598754 |
| 13 | 8 | Piston Body w/o Pin | 93-88 | FP-1816658 | 20 | From Ser. No. 598754 |
| 13 | 8 | Piston Body w/o Pin | 93-88 | FP-1441703 | 30 | From Ser. No. 598754 |
| 13 | 8 | Piston Body w/o Pin | 93-88 | FP-1809109 | 20 | To Ser. No. 598753 |
| 13 | 8 | Piston Body w/o Pin | 93-88 | FP-1809110 | 30 | To Ser. No. 598753 |
| 14 | 8 | Piston Kit w/Pin & Retainers | 93-88 | FP-1816674 | STD | From Ser. No. 598754 |
| 14 | 8 | Piston Kit w/Pin & Retainers | 93-88 | FP-1816676 | 20 | From Ser. No. 598754 |
| 14 | 8 | Piston Kit w/Pin & Retainers | 93-88 | FP-1816677 | 30 | From Ser. No. 598754 |
| 14 | 8 | Piston Kit w/Pin & Retainers | 93-88 | FP-1813121 | 20 | To Ser. No. 598753 |
| 14 | 8 | Piston Kit w/Pin & Retainers | 93-88 | FP-1813122 | 30 | To Ser. No. 598753 |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 93-88 | FP-1816674WR | STD | From Ser. No. 598754 |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 93-88 | FP-1816676WR | 20 | From Ser. No. 598754 |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 93-88 | FP-1816677WR | 30 | From Ser. No. 598754 |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 93-88 | FP-1813121WR | 20 | To Ser. No. 598753 |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 93-88 | FP-1813122WR | 30 | To Ser. No. 598753 |
| 19 | 8 | Pin | 93-88 | FP-1804321 | | |
| 11 | 16 | Piston Pin Retainer | 93-88 | FP-1804308 | | |
| 29 | 8 | Pin Bushing | 93-88 | FP-1804000 | | |
| REF # | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 23 | 16 | Con. Rod Bolt | 93-88 | FP-1804003 | | |
| 24 | 16 | Con. Rod Nut | 93-88 | FP-1805866 | | |
| 27 | 8 | Rod Pair | 93-88 | FP-1802200 | STD | |
| 27 | 8 | Rod Pair | 93-88 | FP-1802201 | 10 | |
| 27 | 8 | Rod Pair | 93-88 | FP-1802202 | 20 | |
| 27 | 8 | Rod Pair | 93-88 | FP-1802203 | 30 | |
| REF # | QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 33 | 8 | Ring Set Single Cylinder | 93-88 | FP-1813173 | 20 | From Ser. No. 598754 |
| 33 | 8 | Ring Set Single Cylinder | 93-88 | FP-1813174 | 30 | From Ser. No. 598754 |

(continued on next page)

33 M/D Truck 7.3L Diesel Eng.

(cont.) 7.3L 444 OHV Diesel V8 (IDI), 4.11" Bore 1988-93

CYLINDER COMPONENTS (cont.)

| REF # | QTY | PISTON RINGS (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|--------------------------|-------|------------|------|---|
| 33 | 8 | Ring Set Single Cylinder | 93-88 | FP-1813171 | STD | From Ser. No. 598754; 1-.118, 1-.078, 1-.136; 2nd ring gap is .060-.075" like O.E. ring |
| 33 | 8 | Ring Set Single Cylinder | 93-88 | FP-1809146 | STD | To Ser. No. 598753 |
| 33 | 8 | Ring Set Single Cylinder | 93-88 | FP-1809147 | 10 | To Ser. No. 598753 |
| 33 | 8 | Ring Set Single Cylinder | 93-88 | FP-1809148 | 20 | To Ser. No. 598753 |
| 33 | 8 | Ring Set Single Cylinder | 93-88 | FP-1809149 | 30 | To Ser. No. 598753 |

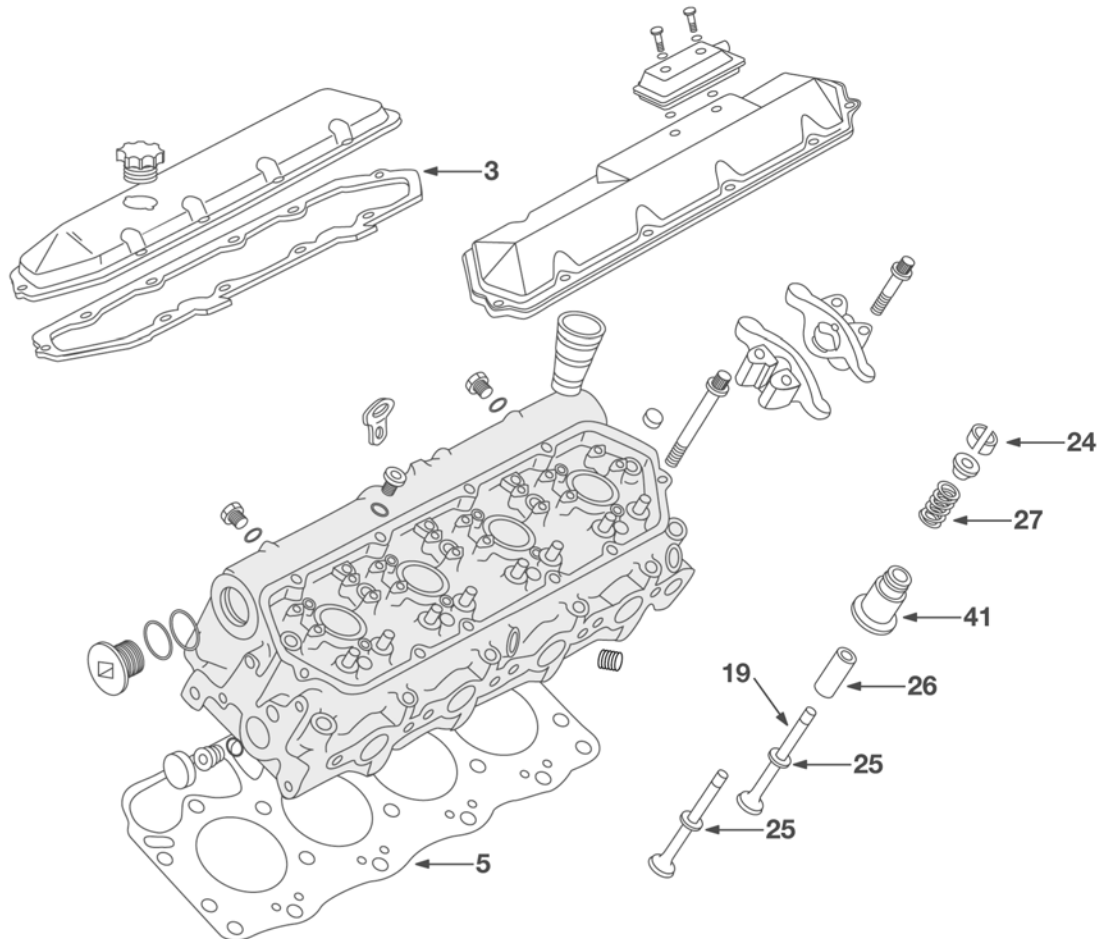
KITS

| QTY | OVERHAUL KIT | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------------|-------|-------------|------|----------------------|
| 1 | In-Frame Overhaul Kit | 93-88 | FP-IFK73L | | From Ser. No. 598754 |
| 1 | In-Frame Overhaul Kit | 93-88 | FP-IFK73E | | To Ser. No. 598753 |
| 1 | Complete Overhaul Kit | 93-88 | FP-IFK73LOH | | From Ser. No. 598754 |
| 1 | Complete Overhaul Kit | 93-88 | FP-IFK73EOH | | To Ser. No. 598753 |

34 M/D Truck 7.3L Turbo-Diesel Eng.

7.3L 444 OHV Turbo-Diesel V8 (IDI), 4.11" Bore 1993-94

CYL. HEAD & PARTS



| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|--------------------|-------|------------|------|---|
| 3 | 2 | Valve Cover Gasket | 94-93 | FP-1804052 | | |
| 5 | 2 | Head Gasket | 94-93 | FP-1809057 | | |
| | 1 | Head Set | 94-93 | FP-1811050 | | Int. manifold gskt. not incl. |
| REF # | QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 8 | Intake | 94-93 | FP-1804330 | | Chrome plated stem; 1.8770" Head Dia., .3719" Stem Dia., 5.6880" O.A.L. |
| 24 | 32 | Keeper | 94-93 | FP-41339 | | 1 groove; Square cut key groove |
| REF # | QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 25 | 8 | Exh. | 94-93 | FP-1805249 | | 1.6690" OD, 1.3700" ID, .2710" Depth |

(continued on next page)

M/D Truck 7.3L Turbo-Diesel Eng. 34
7.3L 444 OHV Turbo-Diesel V8 (IDI), 4.11" Bore 1993-94 (cont.)

CYL. HEAD & PARTS (cont.)

| REF # | QTY | VALVE SEAT (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|--------------------|-------|------------|------|---|
| 25 | 8 | Int. | 94-93 | FP-1805250 | | 1.9425" OD, 1.6875" ID, .2480" Depth |
| REF # | QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 26 | 16 | Guide | 94-93 | FP-1805407 | | Int. & Exh.; .3750" ID, 2.6000" O.A.L. |
| REF # | QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 16 | Spring | 94-93 | FP-317365 | | Int. & Exh.; Incl. damper; 2.0500" Free Height |
| REF # | QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 16 | Push Rod | 94-93 | FP-1804338 | | Install w/copper colored ball toward rocker arm; 9.9890" O.A.L. |
| REF # | QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 41 | 16 | Valve Stem Seal | 94-93 | MV-1796C | | Umbrella type; Fits Std. to .015" O/S valve stem; Rubber |
| 41 | 16 | Valve Stem Seal | 94-93 | FP-1804420 | | Umbrella type; Fits Std. to .015" O/S valve stem; Rubber. |

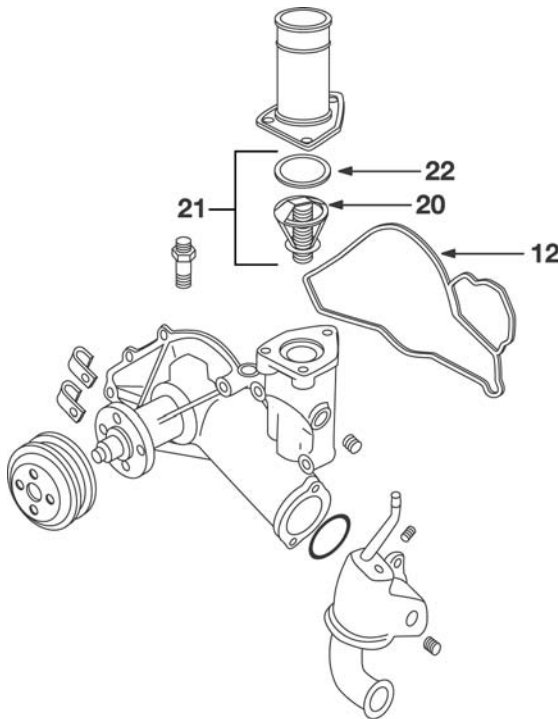
INT & EXH MANIFOLDS

| QTY | INT. & EXH. MANIFOLDS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------------|-------|------------|------|-------------|
| 1 | Valley Pan Gasket Set | 94-93 | FP-1813067 | | |

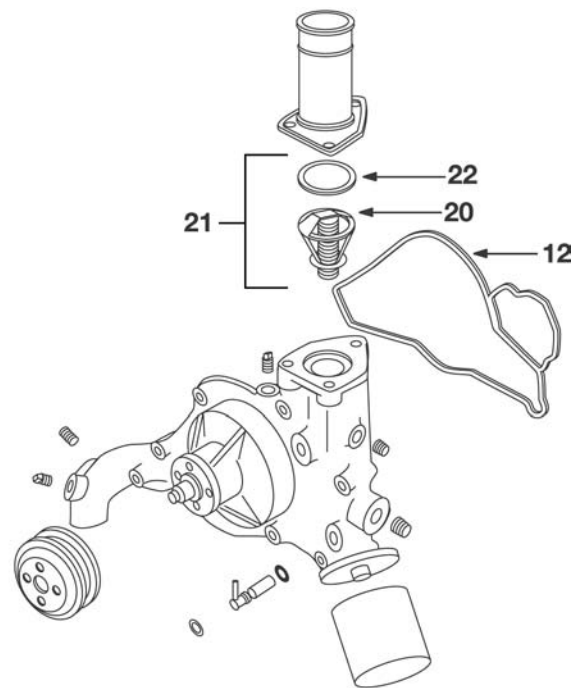
FUEL SYSTEM & PARTS

| QTY | FUEL FILTERS & PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|------------|------|-------------|
| 1 | Mechanical Fuel Pump | 94-93 | FP-1804495 | | |

COOLING SYSTEM



**UP TO SERIAL NO.
58558**



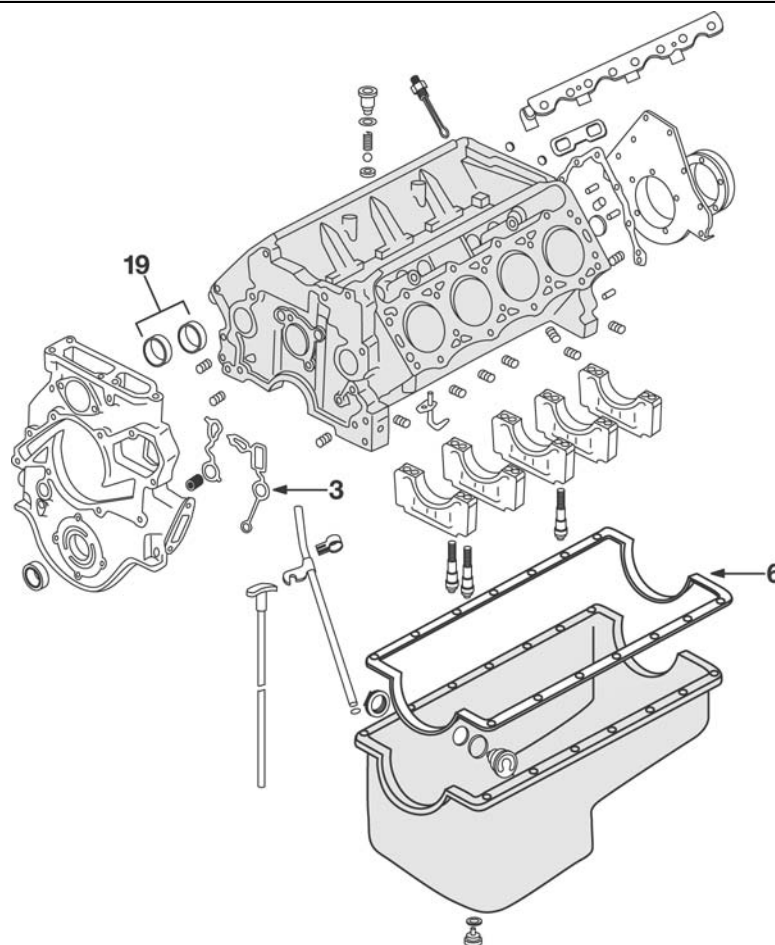
**FROM SERIAL NO.
58559**

| REF # | QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------|-------|------------|------|-----------------------|
| 12 | 1 | Water Pump Gasket | 94-93 | FP-1804136 | | |
| REF # | QTY | THERMOSTAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 20 | 1 | Thermostat | 94-93 | FP-1807945 | | 192 Deg. |
| 21 | 1 | Thermostat Kit | 94-93 | FP-1807974 | | 192 Deg.; Incl. gskt. |
| 22 | 1 | Thermostat Gasket | 94-93 | FP-1804032 | | |

(continued on next page)

34 M/D Truck 7.3L Turbo-Diesel Eng. (cont.) 7.3L 444 OHV Turbo-Diesel V8 (IDI), 4.11" Bore 1993-94

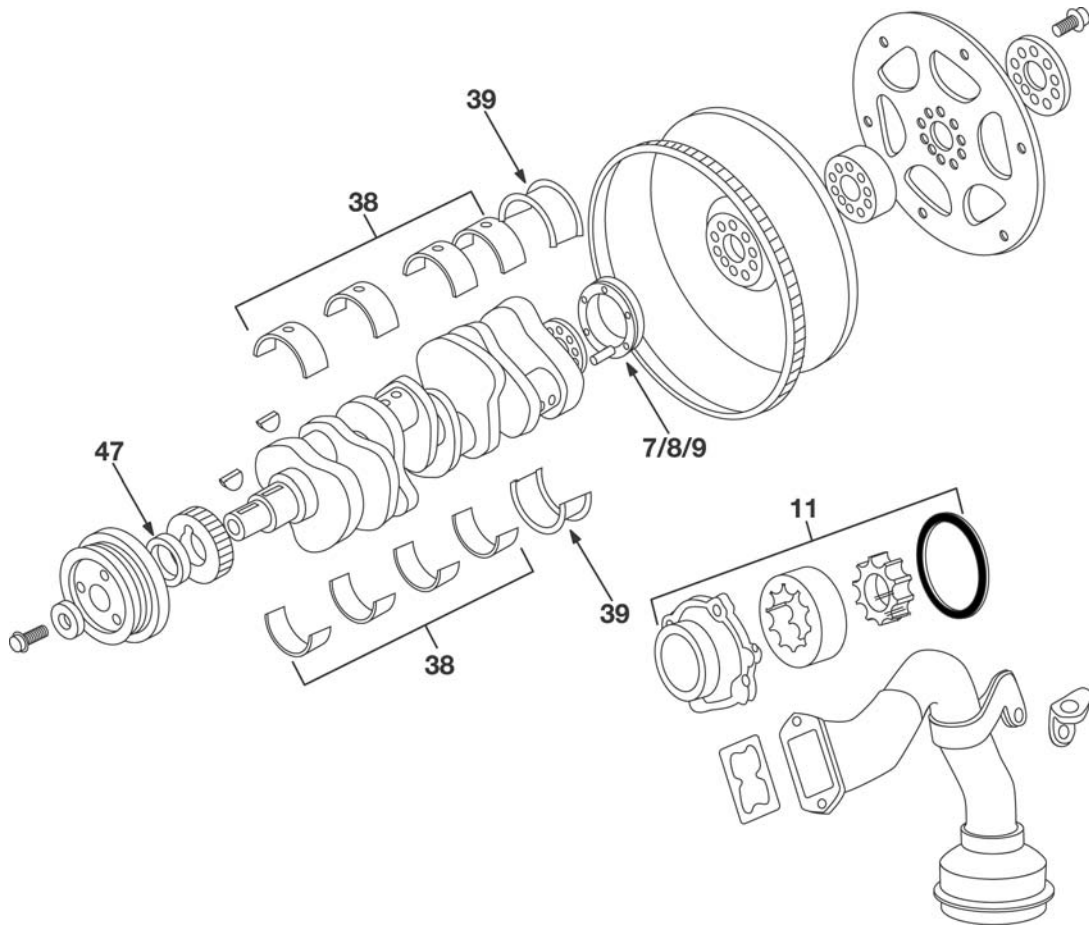
ENGINE BLOCK & PARTS



| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------------------|-------|------------|------|--|
| 3 | 1 | Front Crankcase Cover Gasket | 94-93 | FP-1804480 | | |
| 6 | 1 | Oil Pan Gasket Set | 94-93 | 260-6054 | | |
| | 1 | Chemicals | 94-93 | FP-446839 | | Front Cover; RTV Sealant |
| REF # | QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Lower Gasket Set | 94-93 | FP-1802213 | | |
| | 1 | Complete Overhaul Gasket Set | 94-93 | FP-PGN73C | | |
| | 1 | Kit Gasket Set | 94-93 | 260-1673 | | Turbo mtg. gskts. not incl.; Int. manifold gskt. not incl.; Premium valve stem seals incl. |
| REF # | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 1 | Cam Set | 94-93 | FP-1804475 | STD | |
| REF # | QTY | FREEZE PLUGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Stainless Block Plug Kit | 94-93 | 381-8056 | | Incl. 7 centerless ground OD, stainless steel block plugs |

(continued on next page)

CRANKSHAFT/OIL PUMP



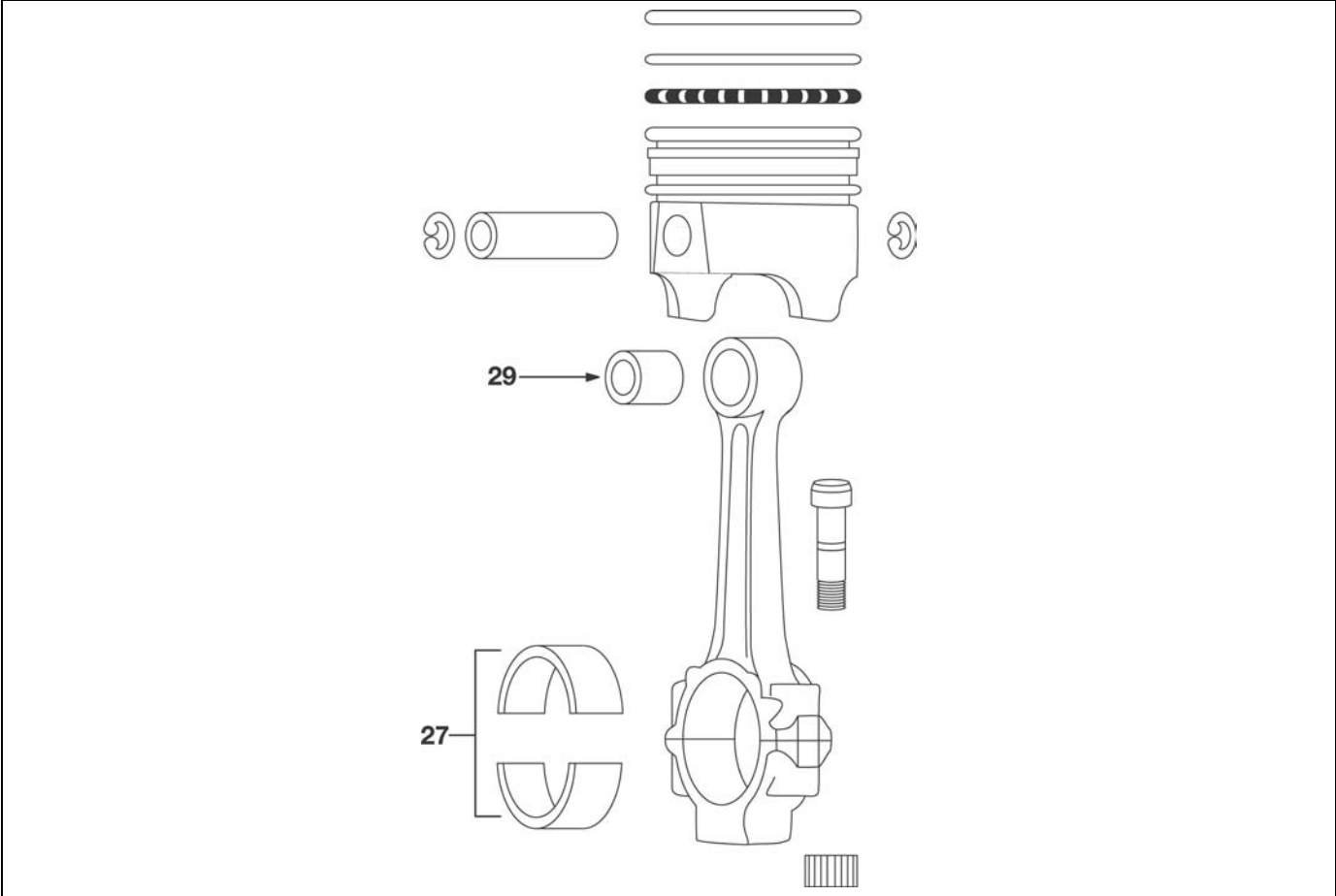
| REF # | QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|---------------------|-------|------------|------|------------------|
| 47 | 1 | Oil Seal | 94-93 | FP-1804009 | | Viton® |
| REF # | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 7 | 1 | Oil Seal | 94-93 | FP-1816559 | | |
| 8 | 1 | Oil Seal Kit | 94-93 | FP-1819733 | | |
| 9 | 1 | Wear Sleeve | 94-93 | FP-1816569 | | |
| REF # | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 38 | 4 | Plain Main Brg. | 94-93 | FP-1802216 | STD | Position 1-2-4-5 |
| 38 | 4 | Plain Main Brg. | 94-93 | FP-1802217 | 10 | Position 1-2-4-5 |
| 38 | 4 | Plain Main Brg. | 94-93 | FP-1802218 | 20 | Position 1-2-4-5 |
| 38 | 4 | Plain Main Brg. | 94-93 | FP-1802219 | 30 | Position 1-2-4-5 |
| 39 | 1 | Flanged Main Brg. | 94-93 | FP-1802220 | STD | Position 3 |
| 39 | 1 | Flanged Main Brg. | 94-93 | FP-1802221 | 10 | Position 3 |
| 39 | 1 | Flanged Main Brg. | 94-93 | FP-1802222 | 20 | Position 3 |
| 39 | 1 | Flanged Main Brg. | 94-93 | FP-1802223 | 30 | Position 3 |
| REF # | QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 11 | 1 | Oil Pump | 94-93 | FP-1805398 | | |

(continued on next page)

34

M/D Truck 7.3L Turbo-Diesel Eng.
(cont.) 7.3L 444 OHV Turbo-Diesel V8 (IDI), 4.11" Bore 1993-94

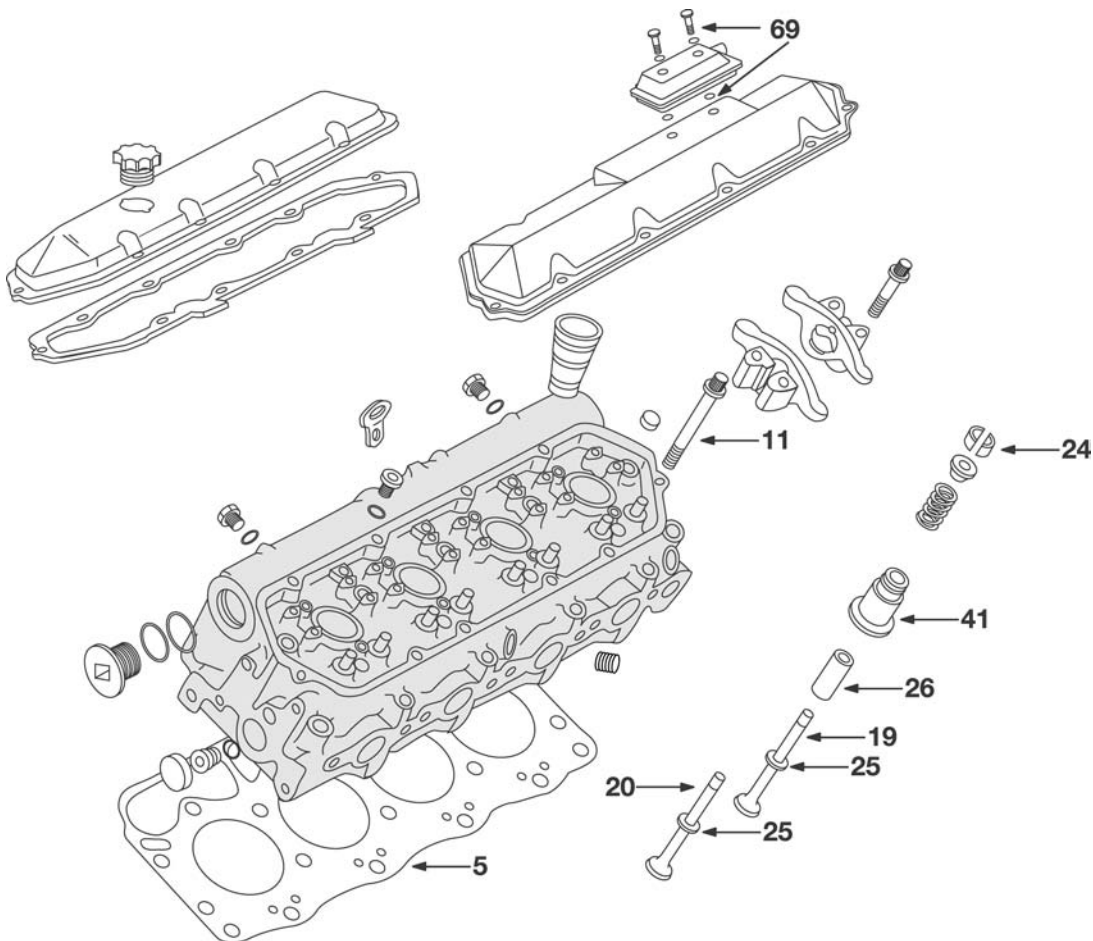
CYLINDER COMPONENTS



| REF # | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------|-------|------------|------|-------------|
| 29 | 8 | Pin Bushing | 94-93 | FP-1804000 | | |
| REF # | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 23 | 16 | Con. Rod Bolt | 94-93 | FP-1804003 | | |
| 24 | 16 | Con. Rod Nut | 94-93 | FP-1805866 | | |
| 27 | 8 | Rod Pair | 94-93 | FP-1802200 | STD | |
| 27 | 8 | Rod Pair | 94-93 | FP-1802201 | 10 | |
| 27 | 8 | Rod Pair | 94-93 | FP-1802202 | 20 | |
| 27 | 8 | Rod Pair | 94-93 | FP-1802203 | 30 | |

M/D Truck 7.3L Turbo-Diesel Eng. 35
7.3L 444 OHV Turbo-Diesel V8 (DI), 4.11" Bore 1994-2003

CYL. HEAD & PARTS

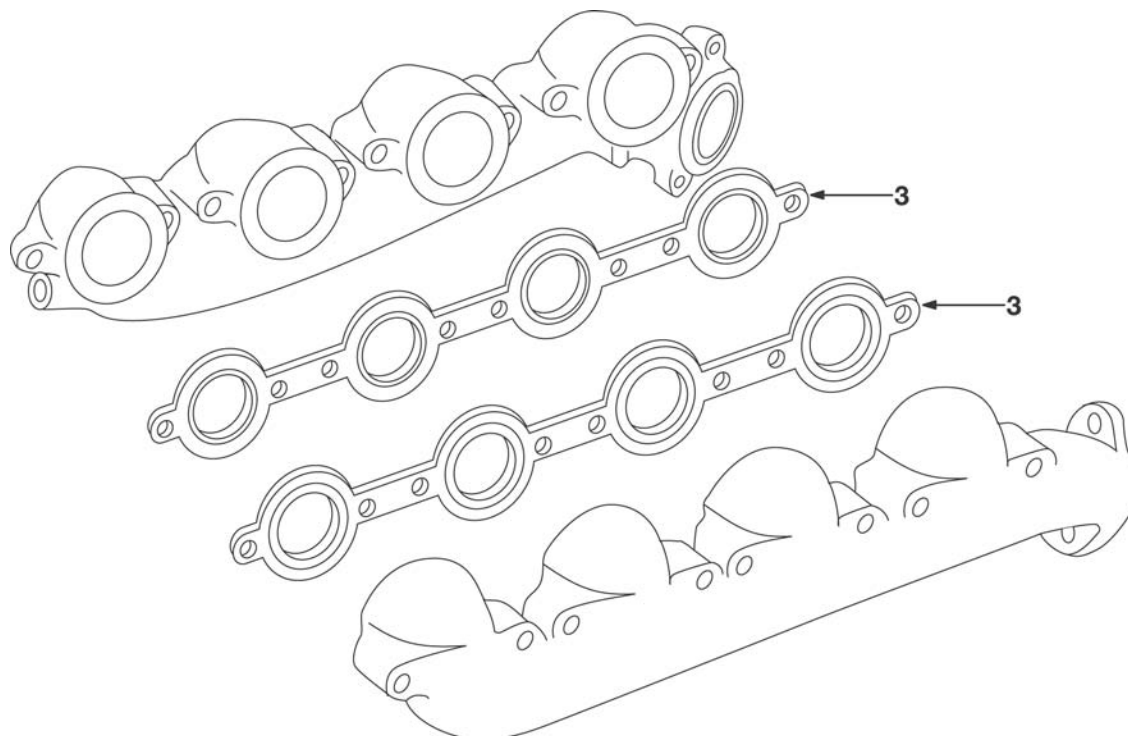


| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|----------|-----|--------------------|-------|------------|------|---|
| 5 | 2 | Head Gasket | 03-94 | FP-1826672 | | |
| | 1 | Head Set | 03-94 | FP-1830826 | | Contains head gaskets & valve stem seals only |
| 69 | 1 | Breather Seal Ring | 03-94 | FP-1824452 | | Inner crankcase vent |
| 69 | 1 | Breather Seal Ring | 03-94 | FP-1820784 | | Outer crankcase vent |
| REF # | QTY | HEAD BOLTS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 11 | 36 | Head Bolt | 03-94 | FP-1818092 | | |
| REF # | QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 8 | Intake | 03-94 | FP-1823453 | | |
| 20 | 8 | Exhaust | 03-94 | FP-1823452 | | |
| 24 | 32 | Keeper | 03-94 | FP-1810944 | | 5/16" valve stem |
| REF # | QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 26 | 16 | Guide | 03-94 | FP-1822862 | | .3146" ID, 2.4450" O.A.L. |
| REF # | QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 41 | 16 | Valve Stem Seal | 03-94 | FP-1816179 | | Exh. & Int. |
| IGNITION | | | | | | |
| | QTY | IGNITION | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 8 | Glow Plug | 03-94 | FP-1820697 | | |

(continued on next page)

35 M/D Truck 7.3L Turbo-Diesel Eng. (cont.) 7.3L 444 OHV Turbo-Diesel V8 (DI), 4.11" Bore 1994-2003

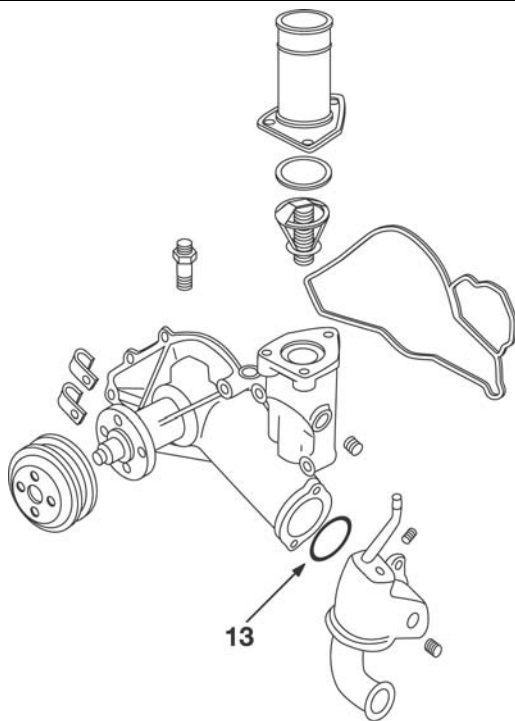
INT & EXH MANIFOLDS



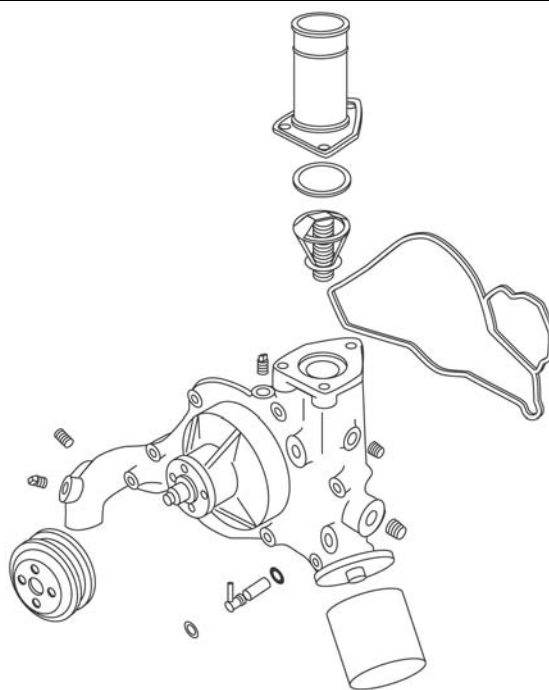
| REF # | QTY | INT. & EXH. MANIFOLDS | YEARS | PART NO. | SIZE | DESCRIPTION |
|--------------------------------|------------|--------------------------------|--------------|-----------------|-------------|---|
| 3 | 2 | Exhaust Manifold Gasket | 03-94 | FP-1814219 | | |
| FUEL SYSTEM & PARTS | | | | | | |
| | QTY | FUEL INJECTION | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 8 | Fuel Injector Seal | 03-94 | FP-1814695 | | Lower |
| | QTY | FUEL FILTERS & PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Mechanical Fuel Pump | 03-94 | FP-1824415 | | |
| | 1 | O-Ring | 03-94 | FP-1822708 | | Fuel pump seal |
| | QTY | TURBOCHARGER | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 2 | Turbo Ring | 03-94 | FP-702299 | | Turbo sealing ring |
| | 1 | Turbocharger Mounting Gasket | 03-94 | FP-1822120 | | |
| | 1 | Rect. or Square Seal | 03-94 | FP-1818372 | | Compressor outlet |
| | 2 | O-Ring | 03-94 | FP-1815561 | | Oil drain |
| | 2 | O-Ring | 03-94 | FP-1815560 | | Oil supply |
| | 1 | Turbo Oil Injection Pump Gskt | 03-94 | FP-1825163 | | From Ser. No. 213855 through Ser. No. 214133 and from Ser. No. 216544 |

(continued on next page)

COOLING SYSTEM



**UP TO SERIAL NO.
58558**



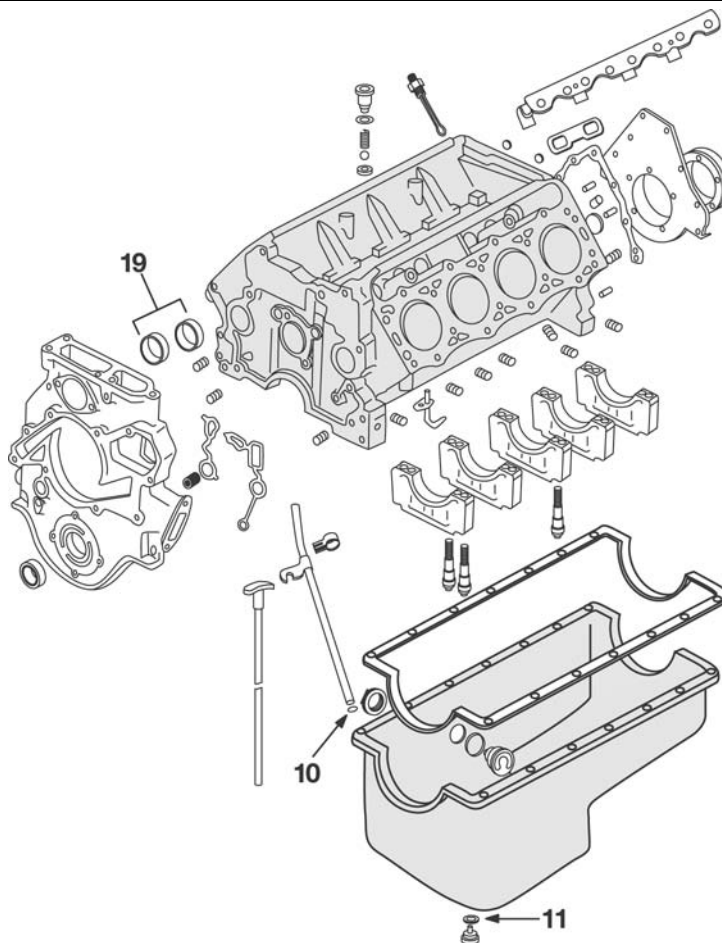
**FROM SERIAL NO.
58559**

| REF # | QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|----------------------|-------|------------|------|------------------|
| 13 | 1 | Rect. or Square Seal | 03-94 | FP-1818397 | | Water pump inlet |
| | 1 | Water Pump Seal Ring | 03-94 | FP-1831713 | | |
| REF # | QTY | THERMOSTAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Water Outlet Gasket | 03-94 | FP-1821880 | | |

(continued on next page)

35 M/D Truck 7.3L Turbo-Diesel Eng. (cont.) 7.3L 444 OHV Turbo-Diesel V8 (DI), 4.11" Bore 1994-2003

ENGINE BLOCK & PARTS

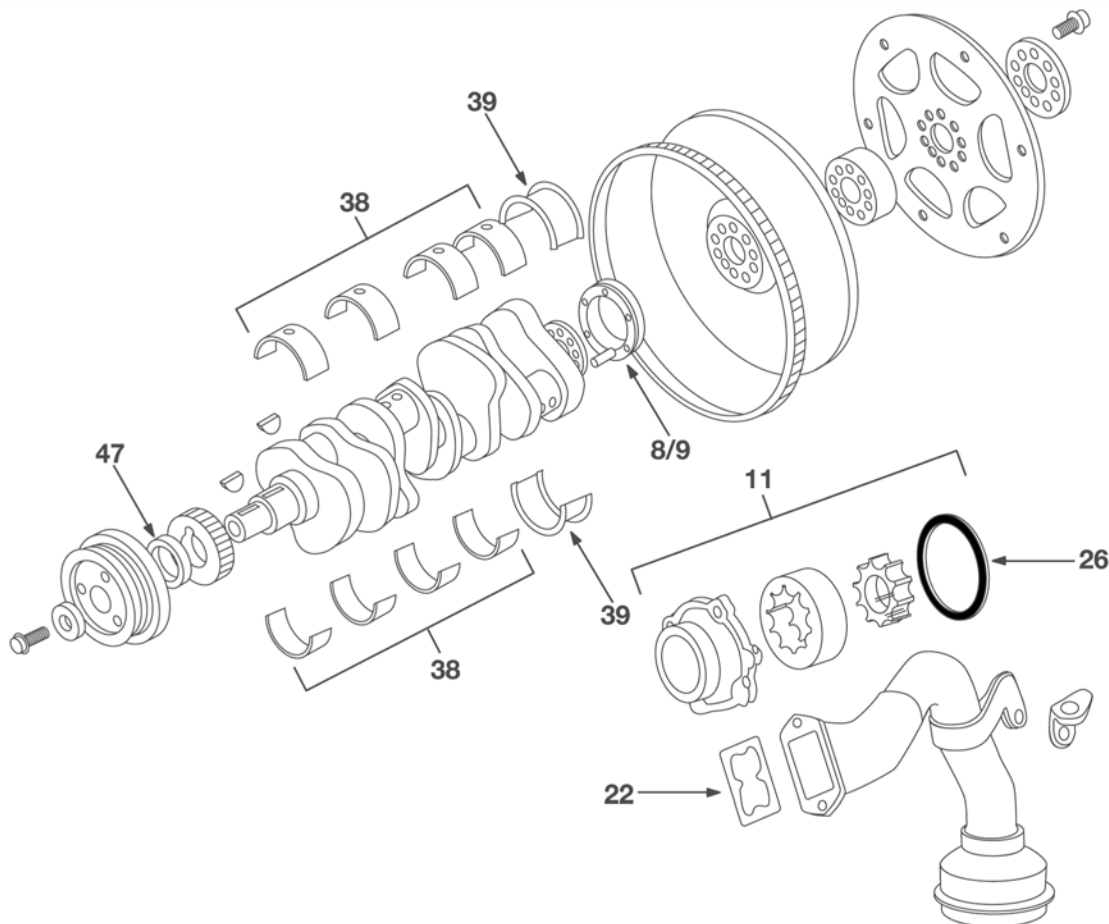


| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|--------------------------|-------|------------|------|--|
| 10 | 1 | Chemicals | 03-94 | FP-1816593 | | Oil pan; RTV Sealant |
| 11 | 1 | O-Ring | 03-94 | FP-875519 | | Dipstick |
| 11 | 1 | Drain Plug Gasket | 03-94 | FP-1822712 | | |
| REF # | QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | In-Frame Gasket Set | 03-94 | FP-PGT444S | | Valve cover gskts. not incl.; Head bolts not incl.; Premium valve stem seals incl. |
| REF # | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 1 | Cam Set | 03-94 | FP-1812317 | STD | |
| REF # | QTY | FREEZE PLUGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Stainless Block Plug Kit | 03-94 | 381-8088 | | Incl. 7 centerless ground OD, stainless steel block plugs |

(continued on next page)

M/D Truck 7.3L Turbo-Diesel Eng. 35
7.3L 444 OHV Turbo-Diesel V8 (DI), 4.11" Bore 1994-2003 (cont.)

CRANKSHAFT/OIL PUMP

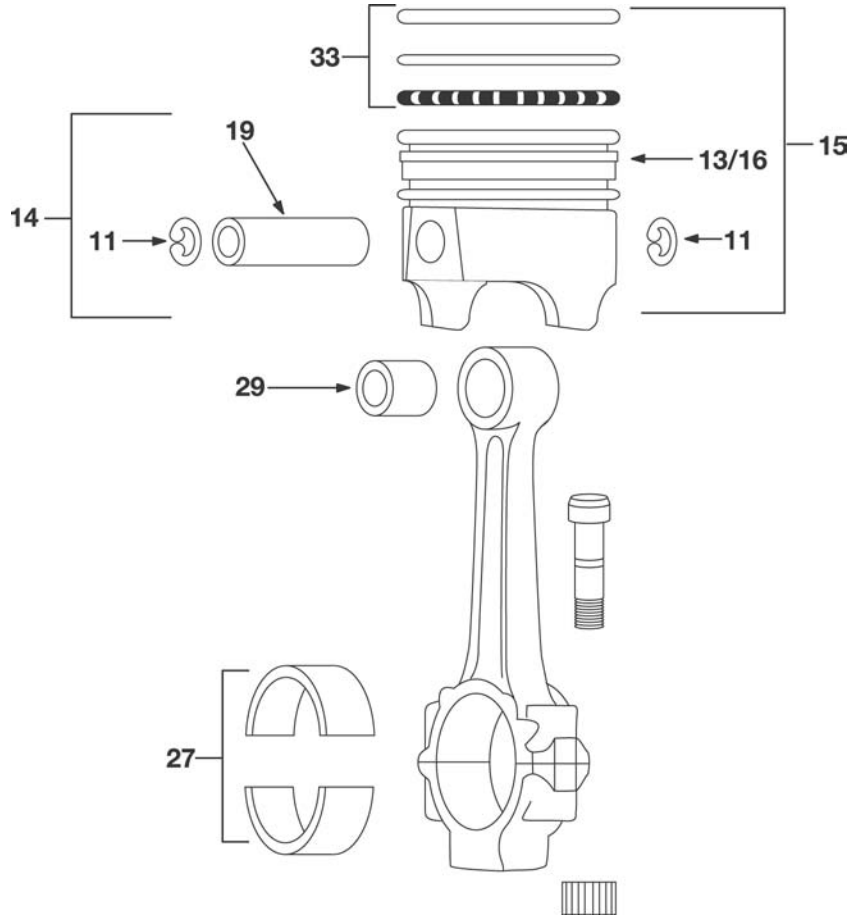


| REF # | QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|----------------------------|-------|------------|------|--|
| 47 | 1 | Oil Seal Kit | 03-94 | FP-1812376 | | |
| | 1 | Wear Sleeve | 03-94 | FP-1814607 | | |
| REF # | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | 1 | Oil Seal Kit | 03-94 | FP-1812329 | | |
| REF # | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 38 | 4 | Plain Main Brg. | 03-94 | FP-1812321 | STD | Position 1-2-3-4 |
| 38 | 4 | Plain Main Brg. | 03-94 | FP-1812322 | 10 | Position 1-2-3-4 |
| 38 | 4 | Plain Main Brg. | 03-94 | FP-1812323 | 20 | Position 1-2-3-4 |
| 38 | 4 | Plain Main Brg. | 03-94 | FP-1812324 | 30 | Position 1-2-3-4 |
| 39 | 1 | Flanged Main Brg. | 03-94 | FP-1812325 | STD | Position 5 |
| 39 | 1 | Flanged Main Brg. | 03-94 | FP-1812326 | 10 | Position 5 |
| 39 | 1 | Flanged Main Brg. | 03-94 | FP-1812327 | 20 | Position 5 |
| 39 | 1 | Flanged Main Brg. | 03-94 | FP-1812328 | 30 | Position 5 |
| REF # | QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 11 | 1 | Oil Pump | 03-94 | FP-1830813 | | |
| 22 | 1 | Oil Pump Inlet Tube Gasket | 03-94 | FP-1823671 | | Oil suction tube to oil pump; From Ser. No. 375550 |
| 22 | 1 | Oil Pump Inlet Tube Gasket | 03-94 | FP-1815899 | | Oil suction tube to oil pump; To Ser. No. 375549 |
| | 1 | Lo Filter Adapter Gasket | 03-94 | FP-1831665 | | |
| 26 | 1 | Oil Pump Gasket | 03-94 | FP-1815898 | | High pressure pump flange gasket |
| 26 | 1 | Oil Pump Gasket | 03-94 | FP-1831516 | | Pump mounting |

(continued on next page)

35 M/D Truck 7.3L Turbo-Diesel Eng. (cont.) 7.3L 444 OHV Turbo-Diesel V8 (DI), 4.11" Bore 1994-2003

CYLINDER COMPONENTS



| REF # | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------------|-------|--------------|------|--|
| 13 | 8 | Piston Body w/o Pin | 03-94 | FP-1824284 | STD | |
| 13 | 8 | Piston Body w/o Pin | 03-94 | FP-1830898 | 10 | |
| 13 | 8 | Piston Body w/o Pin | 03-94 | FP-1830899 | 20 | |
| 13 | 8 | Piston Body w/o Pin | 03-94 | FP-1830900 | 30 | |
| 14 | 8 | Piston Kit w/Pin & Retainers | 03-94 | FP-1830898WP | 10 | |
| 14 | 8 | Piston Kit w/Pin & Retainers | 03-94 | FP-1824284WP | STD | Also available as Sealed Power No. 2767PN |
| 14 | 8 | Piston Kit w/Pin & Retainers | 03-94 | FP-1830899WP | 20 | Also available as Sealed Power No. 2767PN 20 |
| 14 | 8 | Piston Kit w/Pin & Retainers | 03-94 | FP-1830900WP | 30 | Also available as Sealed Power No. 2767PN 30 |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 03-94 | FP-1830953 | STD | |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 03-94 | FP-1830954 | 10 | |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 03-94 | FP-1830955 | 20 | |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 03-94 | FP-1830956 | 30 | |
| 19 | 8 | Pin | 03-94 | FP-1809339 | | |
| 11 | 16 | Piston Pin Retainer | 03-94 | FP-1814326 | | |
| 29 | 8 | Pin Bushing | 03-94 | FP-1812457 | | |
| REF # | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 8 | Rod Pair | 03-94 | FP-1812301 | STD | |
| 27 | 8 | Rod Pair | 03-94 | FP-1812302 | 10 | |
| 27 | 8 | Rod Pair | 03-94 | FP-1812303 | 20 | |
| 27 | 8 | Rod Pair | 03-94 | FP-1812304 | 30 | |
| REF # | QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 33 | 8 | Ring Set Single Cylinder | 03-94 | FP-1830950 | 10 | 1-1/8, 1-5/64, 1-.136 |
| 33 | 8 | Ring Set Single Cylinder | 03-94 | FP-1830951 | 20 | 1-1/8, 1-5/64, 1-.136 |
| 33 | 8 | Ring Set Single Cylinder | 03-94 | FP-1830952 | 30 | 1-1/8, 1-5/64, 1-.136 |
| 33 | 8 | Ring Set Single Cylinder | 03-94 | FP-1830949 | STD | 1-1/8, 1-5/64, 1-.136; 2nd ring gap is .060-.075" like O.E. ring |

(continued on next page)

| <div> <div>M/D Truck 7.3L Turbo-Diesel Eng. 35</div> <div>7.3L 444 OHV Turbo-Diesel V8 (DI), 4.11" Bore 1994-2003 (cont.)</div> </div> | | | | | |
|--|-----------------------|-------|---------------------|------|---|
| KITS | | | | | |
| QTY | OVERHAUL KIT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | In-Frame Overhaul Kit | 03-94 | FP-IFKT444E | | |
| <div> <div>H/D Truck MV446 Eng. 36</div> <div>7.3L 446 OHV V8 (16 Valve), 4.125" Bore 1975-81</div> </div> | | | | | |
| CYL. HEAD & PARTS | | | | | |
| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Intake | 81-75 | V-2523 Std Only | | Chrome plated stem; 2.0540" Head Dia., .3725" Stem Dia., 5.4670" O.A.L. |
| 8 | Exhaust | 81-75 | V-2090X Std Only | | Chrome plated stem; 1.5350" Head Dia., .3720" Stem Dia., 5.4820" O.A.L. |
| 32 | Keeper | 81-75 | FP-41339 | | 1 groove; Square cut key groove |
| 32 | Keeper | 81-75 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 32 | Keeper | 81-75 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 32 | Keeper, Bulk | 81-75 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Int. | 81-75 | 245-2125-1 Std Only | | 2.1305" OD, 1.8125" ID, .2480" Depth |
| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Guide | 81-75 | VG-660 | | .3745" ID, 2.6000" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 81-75 | FP-317365 | | Incl. damper; 2.0500" Free Height |
| QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Push Rod | 81-75 | RP-3201 | | 10.3460" O.A.L. |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | 81-75 | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | 81-75 | FP-443128 | | Exh. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Valve Stem Seal | 81-75 | FP-156541 | | Installation requires valve guide machining; Polyacrylate |
| CAMSHAFT GROUP | | | | | |
| QTY | TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Gear Set | 81-75 | 221-3335S | | Incl. (1) 221-3329A, (1) 221-3334 |
| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Lifter | 81-75 | FP-446571 | | Hyd.; w/2 grooves |
| 1 | Prelube | 81-75 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |
| ENGINE BLOCK & PARTS | | | | | |
| QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Pan Gasket Set | 81-75 | 260-6054 | | |
| QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Kit Gasket Set | 81-75 | 260-1117 | | Int. manifold gskt. not incl.; Premium valve stem seals incl. |
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | 81-75 | FP-1804475 | STD | |
| CRANKSHAFT/OIL PUMP | | | | | |
| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Seal | 81-75 | FP-1804009 | | Viton® |
| 1 | Oil Seal Kit | 81-75 | FP-1808751 | | |
| 1 | Oil Seal Kit | 81-75 | 5064 | | (Seal & Sleeve) |
| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Seal | 81-75 | 2218 | | |
| 1 | Wear Sleeve | 81-75 | FP-1816569 | | |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 81-75 | 5082M Std-10-20 | | |
| QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Pump | 81-75 | 224-41189 | | Repl. O.E. No. 446455C91 |
| CYLINDER COMPONENTS | | | | | |
| QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Repair Sleeve | 81-75 | SL-23Y Std Only | | 1/8" wall, must be cut to correct length |
| 8 | Repair Sleeve | 81-75 | SL-23M Std Only | | 3/32" wall, must be cut to correct length |

(continued on next page)

International/Navistar Truck



36 H/D Truck MV446 Eng. (cont.) 7.3L 446 OHV V8 (16 Valve), 4.125" Bore 1975-81

CYLINDER COMPONENTS (cont.)

| QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------------------|-------|-------------------------|------|---|
| 8 | Cast Piston - Individual | 81-75 | WH999P Std-20-30-40-60 | | MV446 Engs.; Hypereutectic; 2-3/32", 1-3/16" Ring Groove, 1.900" CD, 1.0200" Pin Dia., Recessed Head .327" deep x 3.320" dia. |
| QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rod Pair | 81-75 | FP-3730CP | | |
| 8 | Rod Pair | 81-75 | FP-3730CP10 | | |
| 8 | Rod Pair | 81-75 | FP-3730CP20 | | |
| 8 | Rod Pair | 81-75 | FP-3730CP30 | | |
| 8 | Rod Pair | 81-75 | FP-3730CP40 | | |
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Premium Set | 81-75 | E-404K Std-60 | | H/D use; Highway use; 2-3/32, 1-3/16 |
| 1 | Premium Set | 81-75 | E-273K Std-20-30-40-60 | | L/D, Pick-up & Delivery Service; 2-3/32, 1-3/16 |
| 1 | Standard Set | 81-75 | E-422X30 30 | | L/D, Pick-up & Delivery Service; 2-3/32, 1-3/16 |
| 8 | Premium Single Cylinder Set | 81-75 | WE-404K Std-30 | | H/D use; Highway use; 2-3/32, 1-3/16 |
| 8 | Premium Single Cylinder Set | 81-75 | WE-273K Std-20-30-40-60 | | L/D, Pick-up & Delivery Service; 2-3/32, 1-3/16 |

KITS

| RE-RING KIT | YEARS | DESCRIPTION | QTY | PREMIUM KIT NO. | QTY | ECONOMY KIT NO. |
|-------------|-------|--|-----|-----------------|-----|-----------------|
| | 81-75 | L/D or pick-up & delivery use; Int. manifold gskt. not incl. Re-ring | 1 | FP-2056043 | | ---- |
| | 81-75 | H/D or Highway use; Int. manifold gskt. not incl. Re-ring | 1 | FP-205705 | | ---- |
| | 81-75 | Nat. Gas or LPG; Int. manifold gskt. not incl. Re-ring | | ---- | 1 | FP-205205 |

37 H/D Truck MV446 Eng. (LPG or Natural Gas) 7.3L 446 OHV NG V8 (16 Valve), 4.125" Bore 1975-81

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|---------------------|------|---|
| 8 | Intake | | V-2523 Std Only | | Chrome plated stem; 2.0540" Head Dia., .3725" Stem Dia., 5.4670" O.A.L. |
| 8 | Exhaust | | V-2090X Std Only | | Chrome plated stem; 1.5350" Head Dia., .3720" Stem Dia., 5.4820" O.A.L. |
| 32 | Keeper | | FP-41339 | | 1 groove; Square cut key groove |
| 32 | Keeper | | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 32 | Keeper | | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 32 | Keeper, Bulk | | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Int. | | 245-2125-1 Std Only | | 2.1305" OD, 1.8125" ID, .2480" Depth |
| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Guide | | VG-660 | | .3745" ID, 2.6000" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | | FP-317365 | | Incl. damper; 2.0500" Free Height |
| QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Push Rod | | RP-3201 | | 10.3460" O.A.L. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Valve Stem Seal | | ST-2002 | | Installation requires valve guide machining; Polyacrylate |
| 16 | Valve Stem Seal | | FP-156541 | | Installation requires valve guide machining; Polyacrylate |
| 16 | Valve Stem Seal Bulk | | ST-2002BC | | Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate |

CAMSHAFT GROUP

| QTY | TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------|-------|-----------|------|---|
| 1 | Gear Set | | 221-3335S | | Incl. (1) 221-3329A, (1) 221-3334 |
| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Lifter | | FP-446571 | | Hyd.; w/2 grooves |
| 1 | Prelube | | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |

ENGINE BLOCK & PARTS

| QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|--------------------|-------|----------|------|-------------|
| 1 | Oil Pan Gasket Set | 81-75 | 260-6054 | | |

(continued on next page)

H/D Truck MV446 Eng. (LPG or Natural Gas) 37
7.3L 446 OHV NG V8 (16 Valve), 4.125" Bore 1975-81 (cont.)

ENGINE BLOCK & PARTS (cont.)

| QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|---------------------|---------------------|-------|------------|-----------|--------------------------------|
| 1 | Kit Gasket Set | | 260-1117 | | Premium valve stem seals incl. |
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | | FP-1804475 | STD | |
| CRANKSHAFT/OIL PUMP | | | | | |
| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Seal | 81-75 | FP-1804009 | | Viton® |
| 1 | Oil Seal Kit | 81-75 | FP-1808751 | | |
| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Seal | 81-75 | 2218 | | |
| 1 | Wear Sleeve | 81-75 | FP-1816569 | | |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | | 5082M | Std-10-20 | |
| QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Pump | | 224-41189 | | Repl. O.E. No. 446455C91 |

CYLINDER COMPONENTS

| QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-------------------------|-------|-------------|----------|---|
| 8 | Repair Sleeve | | SL-23Y | Std Only | 1/8" wall, must be cut to correct length |
| 8 | Repair Sleeve | | SL-23M | Std Only | 3/32" wall, must be cut to correct length |
| QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rod Pair | 81-75 | FP-3730CP40 | | |
| 8 | Rod Pair | | FP-3730CP | | |
| 8 | Rod Pair | | FP-3730CP10 | | |
| 8 | Rod Pair | | FP-3730CP20 | | |
| 8 | Rod Pair | | FP-3730CP30 | | |
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Standard Set | | E-422X30 | 30 | 2-3/32, 1-3/16 |

M/D Truck RD450, RED450, RED450A Engs. 38
7.4L 450 OHV L6 (12 Valve), 4.375" Bore 1961-73

CYL. HEAD & PARTS

| QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|-------------|----------|--|
| 6 | Exh. | 73-61 | 245-1875-1N | Std Only | Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth |
| 6 | Exh. | 73-61 | 245-1875-1 | Std Only | 1.8810" OD, 1.6100" ID, .2485" Depth |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Spring | 73-61 | VS-336 | | Inner; 2.3430" Free Height |
| 12 | Spring | 73-61 | VS-337 | | Outer; 2.5620" Free Height |
| 12 | Spring Insert | 73-61 | 259-303C | | .015"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 73-61 | 259-303B | | .030"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 73-61 | 259-303A | | .060"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 73-61 | 259-303ARS | | .060"; ID .703"; Carton of 500 |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Valve Stem Seal | 73-61 | ST-2007 | | Positive type; Rubber |
| 6 | O-Ring | 73-61 | FP-111024 | | Int.; Rubber |
| 6 | Valve Stem Seal Bulk | 73-61 | FP-111024B | | Int.; O-Ring; Carton of 100; Rubber |

CRANKSHAFT/OIL PUMP

| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------------|-------|------------|------|-------------|
| 1 | Wear Sleeve | 73-61 | FP-1816569 | | |
| 1 | Oil Seal | 73-61 | 417316 | | |

CYLINDER COMPONENTS

| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------------------|-------|----------|----------|---|
| 1 | Premium Set | 69-61 | 5642KX | Std Only | Eng. Ser. Nos. 118530 to 118542, 118562 to 119569, 119634 to 119666 & From 119670; 2-3/32, 1-3/16 |
| 6 | Premium Single Cylinder Set | 69-61 | W-5642KX | Std Only | Eng. Ser. Nos. 118530 to 118542, 118562 to 119569, 119634 to 119666 & From 119670; 2-3/32, 1-3/16 |

39 H/D Truck RD450, RED450, RED450A Engs. 7.4L 450 OHV L6 (12 Valve), 4.375" Bore 1960-74

| CYL. HEAD & PARTS | | | | | |
|-------------------|----------------------|-------|----------------------|------|--|
| QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 6 | Exh. | 73-60 | 245-1875-1N Std Only | | Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth |
| 6 | Exh. | 73-60 | 245-1875-1 Std Only | | 1.8810" OD, 1.6100" ID, .2485" Depth |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Spring | 73-60 | VS-336 | | Inner; 2.3430" Free Height |
| 12 | Spring | 73-60 | VS-337 | | Outer; 2.5620" Free Height |
| 12 | Spring Insert | 73-60 | 259-303C | | .015"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 73-60 | 259-303B | | .030"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 73-60 | 259-303A | | .060"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 73-60 | 259-303ARS | | .060"; ID .703"; Carton of 500 |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Valve Stem Seal | 73-60 | ST-2007 | | Positive type; Rubber |
| 6 | O-Ring | 73-60 | FP-111024 | | Int.; Rubber |
| 6 | Valve Stem Seal Bulk | 73-60 | FP-111024B | | Int.; O-Ring; Carton of 100; Rubber |

| CRANKSHAFT/OIL PUMP | | | | | |
|---------------------|---------------------|-------|------------|------|-------------|
| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Wear Sleeve | 74-60 | FP-1816569 | | |
| 1 | Oil Seal | 74-60 | 417316 | | |

| CYLINDER COMPONENTS | | | | | |
|---------------------|-----------------------------|-------|-------------------|------|---|
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Premium Set | 73-60 | 5642KX Std Only | | Eng. Ser. Nos. 118530 to 118542, 118562 to 119569, 119634 to 119666 & From 119670; 2-3/32, 1-3/16 |
| 6 | Premium Single Cylinder Set | 73-60 | W-5642KX Std Only | | Eng. Ser. Nos. 118530 to 118542, 118562 to 119569, 119634 to 119666 & From 119670; 2-3/32, 1-3/16 |

40 M/D Truck V461 Eng. 7.6L 461 OHV V8 (16 Valve), 4.125" Bore 1961-64

| CYL. HEAD & PARTS | | | | | |
|-------------------|----------------------|-------|------------|------|---|
| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 32 | Keeper | 64-61 | VK-140 | | |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 64-61 | FP-317365 | | Late Engs.; Incl. damper; 2.0500" Free Height |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | 64-61 | FP-RC126SA | | Exh.; Late Engs.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | 64-61 | FP-443128 | | Exh.; Late Engs. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Valve Stem Seal | 64-61 | ST-2007 | | Positive type; Rubber |
| 16 | O-Ring | 64-61 | FP-111024 | | From Ser. No. 139494; Rubber |
| 16 | Valve Stem Seal | 64-61 | MV-1551 | | Late Engs.; O-Ring; Carton of 50; Rubber |
| 16 | Valve Stem Seal Bulk | 64-61 | FP-111024B | | From Ser. No. 139494; O-Ring; Carton of 100; Rubber |

| CAMSHAFT GROUP | | | | | |
|----------------|-----------------|-------|----------|------|---|
| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Camshaft | 64-61 | CS-218 | | Use iron oil pump drive gear. |
| 1 | Prelube | 64-61 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |

| ENGINE BLOCK & PARTS | | | | | |
|----------------------|----------------|-------|-----------|------|-------------|
| QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Pan Gasket | 64-61 | FP-448428 | | |
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | 64-61 | FP-448139 | STD | |

| CRANKSHAFT/OIL PUMP | | | | | |
|---------------------|---------------------|-------|----------|------|-------------|
| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Redi-Sleeve | 64-61 | 99248 | | |
| 1 | Oil Seal | 64-61 | 7581H | | |
| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Seal | 64-61 | 5112S | | |

| CYLINDER COMPONENTS | | | | | |
|---------------------|--------------|-------|---------------|------|--------------------------------------|
| QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Pin Bushing | 64-61 | 2199Y20 | | |
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Premium Set | 64-61 | E-404K Std-60 | | H/D use; Highway use; 2-3/32, 1-3/16 |

(continued on next page)

M/D Truck V461 Eng. 40
7.6L 461 OHV V8 (16 Valve), 4.125" Bore 1961-64 (cont.)

CYLINDER COMPONENTS (cont.)

| QTY | PISTON RINGS (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------------------|-------|-------------------------|------|---|
| 1 | Premium Set | 64-61 | E-273K Std-20-30-40-60 | | L/D, Pick-up & Delivery Service; 2-3/32, 1-3/16 |
| 1 | Standard Set | 64-61 | E-422X30 30 | | L/D, Pick-up & Delivery Service; 2-3/32, 1-3/16 |
| 8 | Premium Single Cylinder Set | 64-61 | WE-404K Std-30 | | H/D use; Highway use; 2-3/32, 1-3/16 |
| 8 | Premium Single Cylinder Set | 64-61 | WE-273K Std-20-30-40-60 | | L/D, Pick-up & Delivery Service; 2-3/32, 1-3/16 |

H/D Truck V461 Eng. 41
7.6L 461 OHV V8 (16 Valve), 4.125" Bore 1960-64

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|------------|------|---|
| 32 | Keeper | 64-60 | VK-140 | | |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 64-60 | FP-317365 | | Late Eng.s.; Incl. damper; 2.0500" Free Height |
| 16 | Spring | 64-60 | VS-693 | | Late Eng.s.; Incl. damper; 2.0500" Free Height |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | 64-60 | FP-RC126SA | | Exh.; Late Eng.s.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | 64-60 | FP-443128 | | Exh.; Late Eng.s. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Valve Stem Seal | 64-60 | ST-2007 | | Positive type; Rubber |
| 16 | O-Ring | 64-60 | FP-111024 | | From Ser. No. 139494; Rubber |
| 16 | Valve Stem Seal | 64-60 | MV-1551 | | Late Eng.s.; O-Ring; Carton of 50; Rubber |
| 16 | Valve Stem Seal Bulk | 64-60 | FP-111024B | | From Ser. No. 139494; O-Ring; Carton of 100; Rubber |

CAMSHAFT GROUP

| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------|-------|----------|------|---|
| 1 | Camshaft | 64-60 | CS-218 | | Use iron oil pump drive gear. |
| 1 | Prelube | 64-60 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |

ENGINE BLOCK & PARTS

| QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------|-------|-----------|------|-------------|
| 1 | Oil Pan Gasket | 64-60 | FP-448428 | | |
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | 64-60 | FP-448139 | STD | |

CRANKSHAFT/OIL PUMP

| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------------|-------|----------|------|-------------|
| 1 | Redi-Sleeve | 64-60 | 99248 | | |
| 1 | Oil Seal | 64-60 | 7581H | | |
| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Seal | 64-60 | 5112S | | |

CYLINDER COMPONENTS

| QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------------------|-------|-------------------------|------|---|
| 8 | Pin Bushing | 64-60 | 2199Y20 | | |
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Premium Set | 64-60 | E-404K Std-60 | | H/D use; Highway use; 2-3/32, 1-3/16 |
| 1 | Premium Set | 64-60 | E-273K Std-20-30-40-60 | | L/D, Pick-up & Delivery Service; 2-3/32, 1-3/16 |
| 1 | Standard Set | 64-60 | E-422X30 30 | | L/D, Pick-up & Delivery Service; 2-3/32, 1-3/16 |
| 8 | Premium Single Cylinder Set | 64-60 | WE-404K Std-30 | | H/D use; Highway use; 2-3/32, 1-3/16 |
| 8 | Premium Single Cylinder Set | 64-60 | WE-273K Std-20-30-40-60 | | L/D, Pick-up & Delivery Service; 2-3/32, 1-3/16 |

M/D Truck DV462, DV462B Eng.s. H/D Truck DV462, DV462B Eng.s. 42
7.6L 461 OHV Diesel V8 (16 Valve), 4.125" Bore 1966-73

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|--------------|-------|-----------|------|---|
| 32 | Keeper | 73-66 | FP-41339 | | 1 groove; Square cut key groove |
| 32 | Keeper | 73-66 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 32 | Keeper | 73-66 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 32 | Keeper, Bulk | 73-66 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 73-66 | FP-317365 | | Incl. damper; 2.0500" Free Height |

(continued on next page)

42 M/D Truck DV462, DV462B Engs. H/D Truck DV462, DV462B Engs. (cont.) 7.6L 461 OHV Diesel V8 (16 Valve), 4.125" Bore 1966-73

CYL. HEAD & PARTS (cont.)

| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|------------|------|------------------------------------|
| 8 | Rotocap Assy. | 73-66 | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | 73-66 | FP-443128 | | Exh. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | O-Ring | 73-66 | FP-111024 | | Rubber |
| 16 | Valve Stem Seal Bulk | 73-66 | FP-111024B | | O-Ring; Carton of 100; Rubber |

ENGINE BLOCK & PARTS

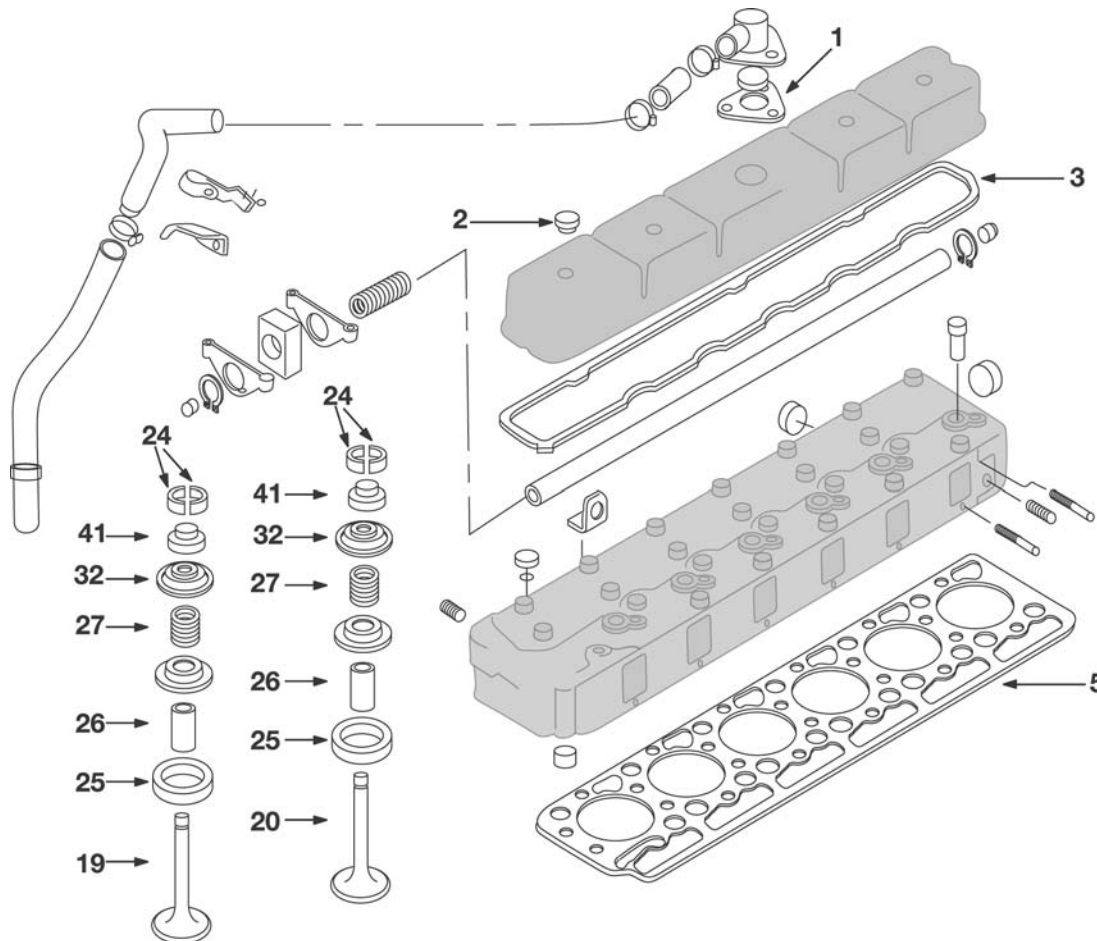
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|--------------|-------|-----------|------|-------------|
| 1 | Cam Set | 73-66 | FP-448139 | STD | |

CRANKSHAFT/OIL PUMP

| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------------|-------|------------|------|-------------|
| 1 | Redi-Sleeve | 73-66 | 99248 | | |
| 1 | Oil Seal | 73-66 | 7581H | | |
| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Seal Kit | 73-66 | 5065 | | |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 73-66 | FP-5032M | STD | |
| 1 | Main Set | 73-66 | FP-5032M10 | 10 | |
| 1 | Main Set | 73-66 | FP-5032M20 | 20 | |
| 1 | Main Set | 73-66 | FP-5032M30 | 30 | |

43 H/D Truck D466 Eng. 7.6L 466 OHV Diesel L6 (12 Valve), 4.3005" Bore 1975-83

CYL. HEAD & PARTS



| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------|-------|-----------|------|-------------|
| 1 | 1 | Breather Housing Gasket | 83-75 | FP-673973 | | |

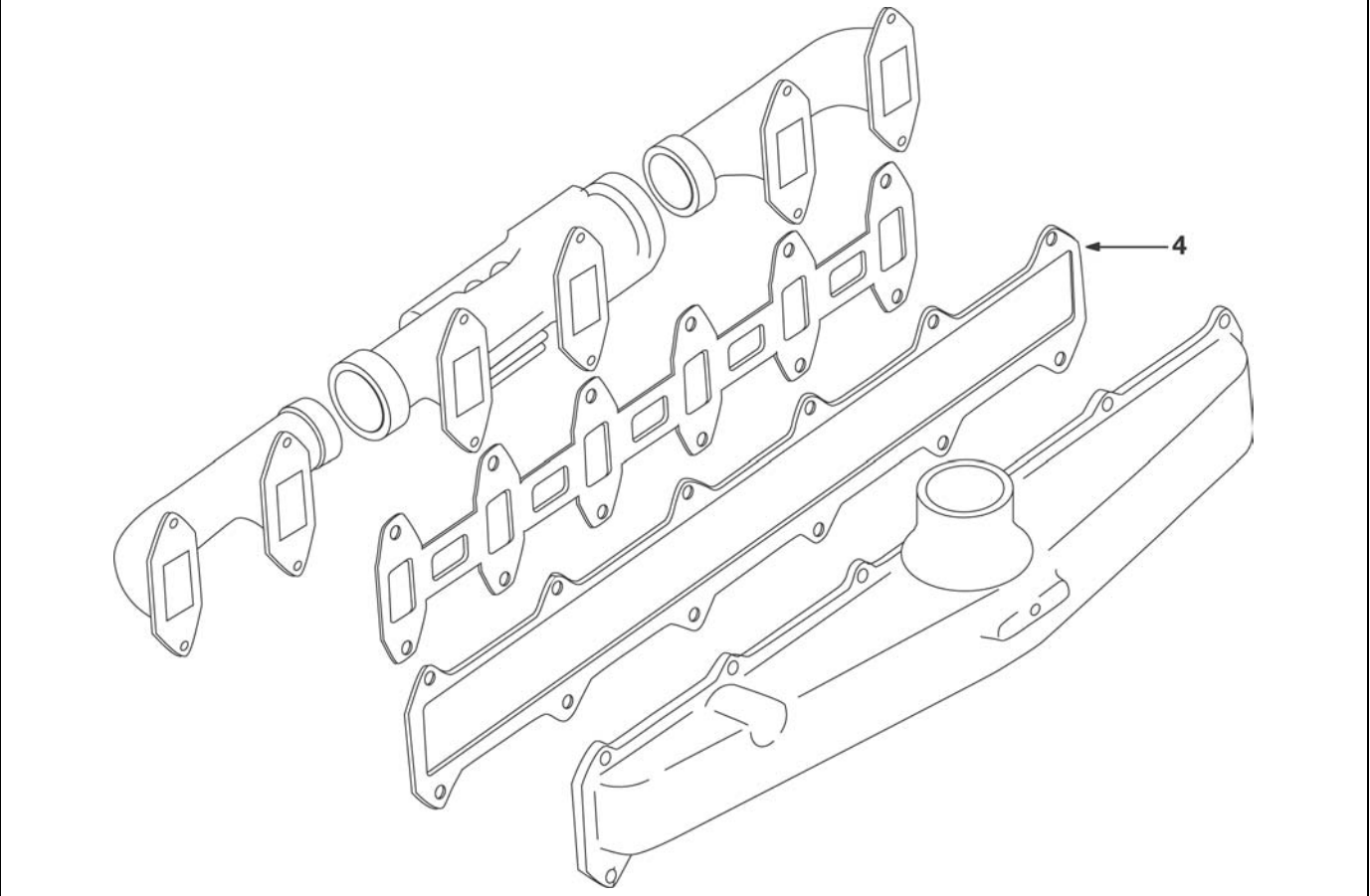
(continued on next page)

| H/D Truck D466 Eng. 43 7.6L 466 OHV Diesel L6 (12 Valve), 4.3005" Bore 1975-83 (cont.) | | | | | |
|---|-----|--------------------|-------|------------|---|
| CYL. HEAD & PARTS (cont.) | | | | | |
| REF # | QTY | GASKETS (cont.) | YEARS | PART NO. | SIZE DESCRIPTION |
| 2 | 6 | Grommet | 83-75 | FP-677692 | Valve Cover Bolt |
| 3 | 1 | Valve Cover Gasket | 83-75 | FP-675109 | |
| 5 | 1 | Head Gasket | 83-75 | FP-1819547 | |
| | 1 | Head Set | 83-75 | FP-1808973 | |
| REF # | QTY | VALVE | YEARS | PART NO. | SIZE DESCRIPTION |
| 19 | 6 | Intake | 83-75 | FP-675046 | |
| 20 | 6 | Exhaust | 83-75 | FP-676865 | |
| 24 | 24 | Keeper | 83-75 | FP-41339 | 1 groove; Square cut key groove |
| 24 | 24 | Keeper | 83-75 | VK-138 | 1 groove; Square cut key groove; Carton pack 32 |
| 24 | 24 | Keeper | 83-75 | VK-138R | 1 groove; Square cut key groove; Hardened |
| 24 | 24 | Keeper, Bulk | 83-75 | VK-138B | 1 groove; Square cut key groove; Carton of 1000 |
| REF # | QTY | VALVE SEAT | YEARS | PART NO. | SIZE DESCRIPTION |
| 25 | 6 | Exh. | 83-75 | FP-671563 | 2 |
| 25 | 6 | Exh. | 83-75 | FP-671565 | 15 |
| 25 | 6 | Int. | 83-75 | FP-671559 | 2 |
| 25 | 6 | Int. | 83-75 | FP-671561 | 15 |
| REF # | QTY | VALVE GUIDE | YEARS | PART NO. | SIZE DESCRIPTION |
| 26 | 12 | Guide | 83-75 | FP-675439 | 2.750" O.A.L.; .3745" ID, 2.7500" O.A.L. |
| REF # | QTY | VALVE SPRING | YEARS | PART NO. | SIZE DESCRIPTION |
| 27 | 12 | Spring | 83-75 | FP-682064 | To Ser. No. 74999; 2.3400" Free Height |
| REF # | QTY | PUSH RODS | YEARS | PART NO. | SIZE DESCRIPTION |
| | 12 | Push Rod | 83-75 | FP-675621 | To Ser. No. 532980; 11.4000" O.A.L. |
| REF # | QTY | VALVE MISC. | YEARS | PART NO. | SIZE DESCRIPTION |
| 32 | 6 | Rotocap Assy. | 83-75 | FP-1811581 | Exh. |
| REF # | QTY | VALVE SEAL | YEARS | PART NO. | SIZE DESCRIPTION |
| 41 | 12 | Valve Stem Seal | 83-75 | FP-1815374 | From Ser. No. 594840 |
| 41 | 12 | Valve Stem Seal | 83-75 | FP-681234 | To Ser. No. 594839; Umbrella type |

(continued on next page)

43 *H/D Truck D466 Eng.*
(cont.) 7.6L 466 OHV Diesel L6 (12 Valve), 4.3005" Bore 1975-83

INT & EXH MANIFOLDS

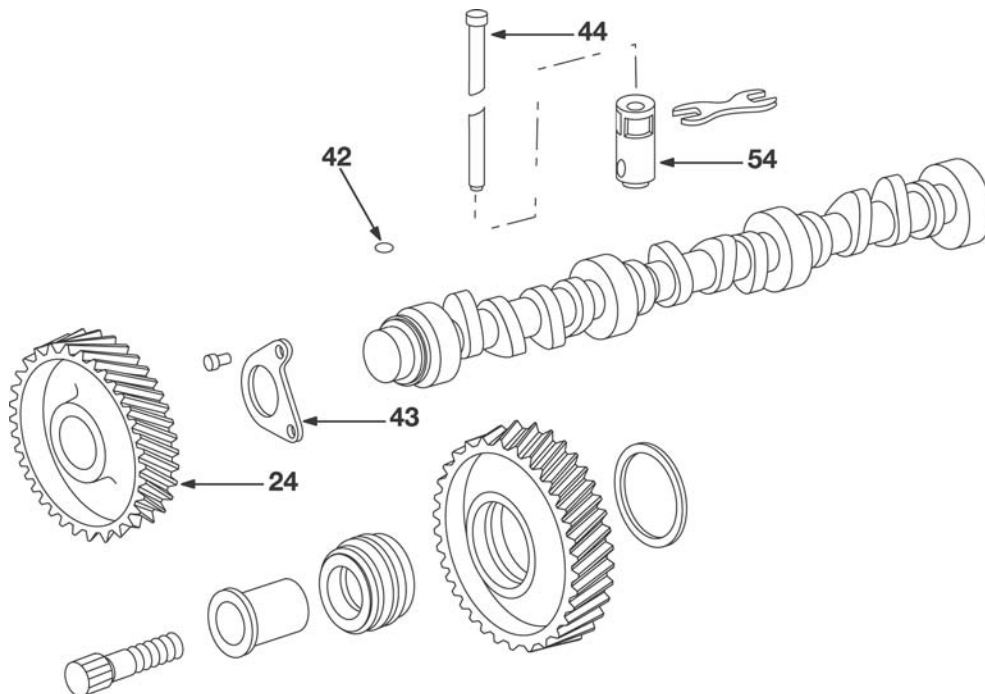


| REF # | QTY | INT. & EXH. MANIFOLDS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------------|-------|-----------|------|-------------|
| 4 | 1 | Intake Manifold Gasket | 83-75 | FP-682199 | | |

(continued on next page)

H/D Truck D466 Eng. 43
7.6L 466 OHV Diesel L6 (12 Valve), 4.3005" Bore 1975-83 (cont.)

CAMSHAFT GROUP

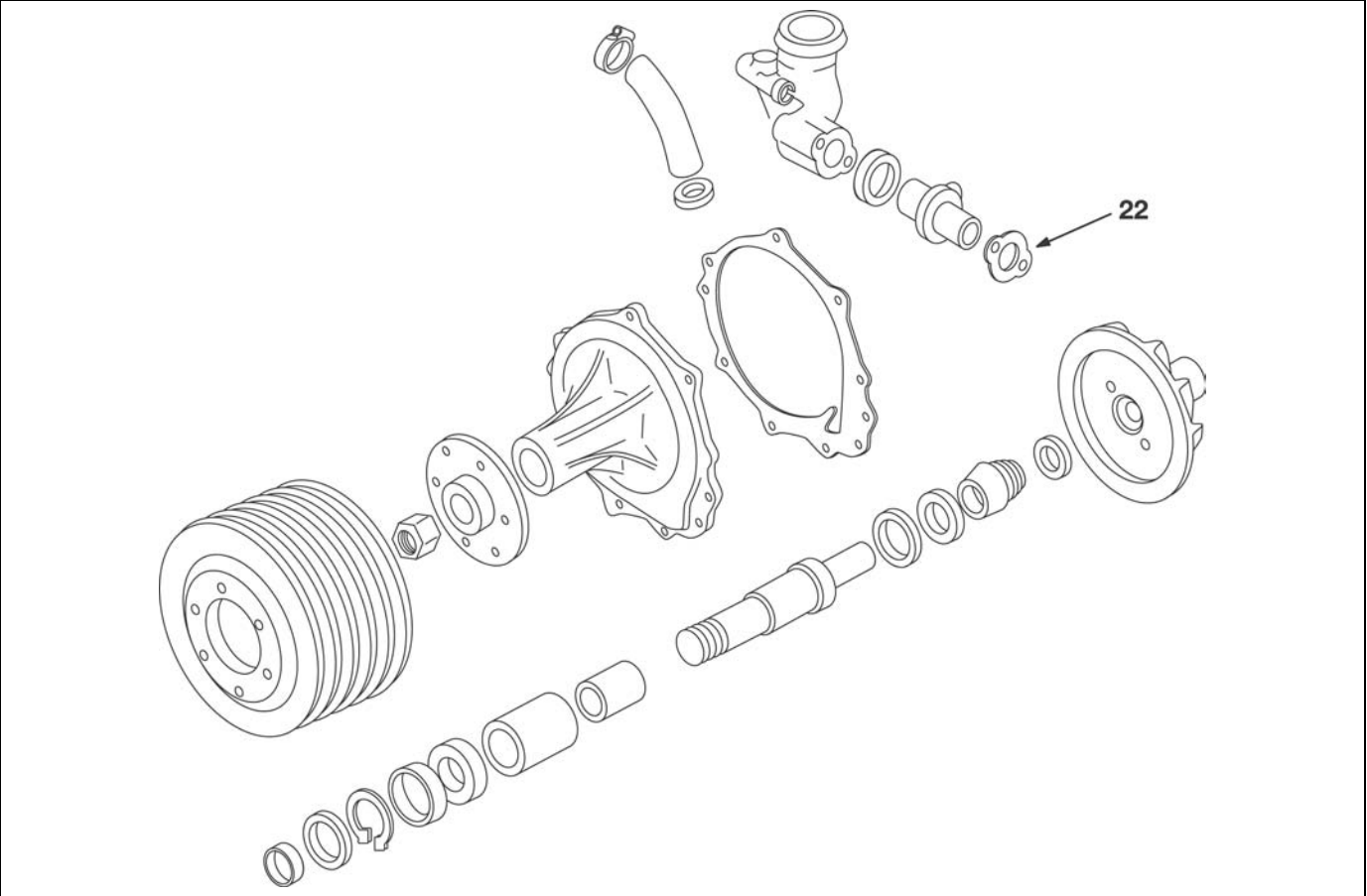


| REF # | QTY | TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
|---------------------|-----|----------------------|-------|-----------|------|------------------------|
| 24 | 1 | Cam Gear | 83-75 | FP-675600 | | 66 Teeth |
| 42 | 1 | CAMSHAFT TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
| | | Woodruff Key | 83-75 | FP-218211 | | Cam gear; 1/4" x 3/4" |
| 54 | 12 | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| | | Lifter | 83-75 | FP-911776 | | Mech.; .997" dia. body |
| FUEL SYSTEM & PARTS | | | | | | |
| | QTY | FUEL INJECTION | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 6 | Fuel Injector Sleeve | 83-75 | FP-675442 | | |

(continued on next page)

43 H/D Truck D466 Eng.
(cont.) 7.6L 466 OHV Diesel L6 (12 Valve), 4.3005" Bore 1975-83

COOLING SYSTEM

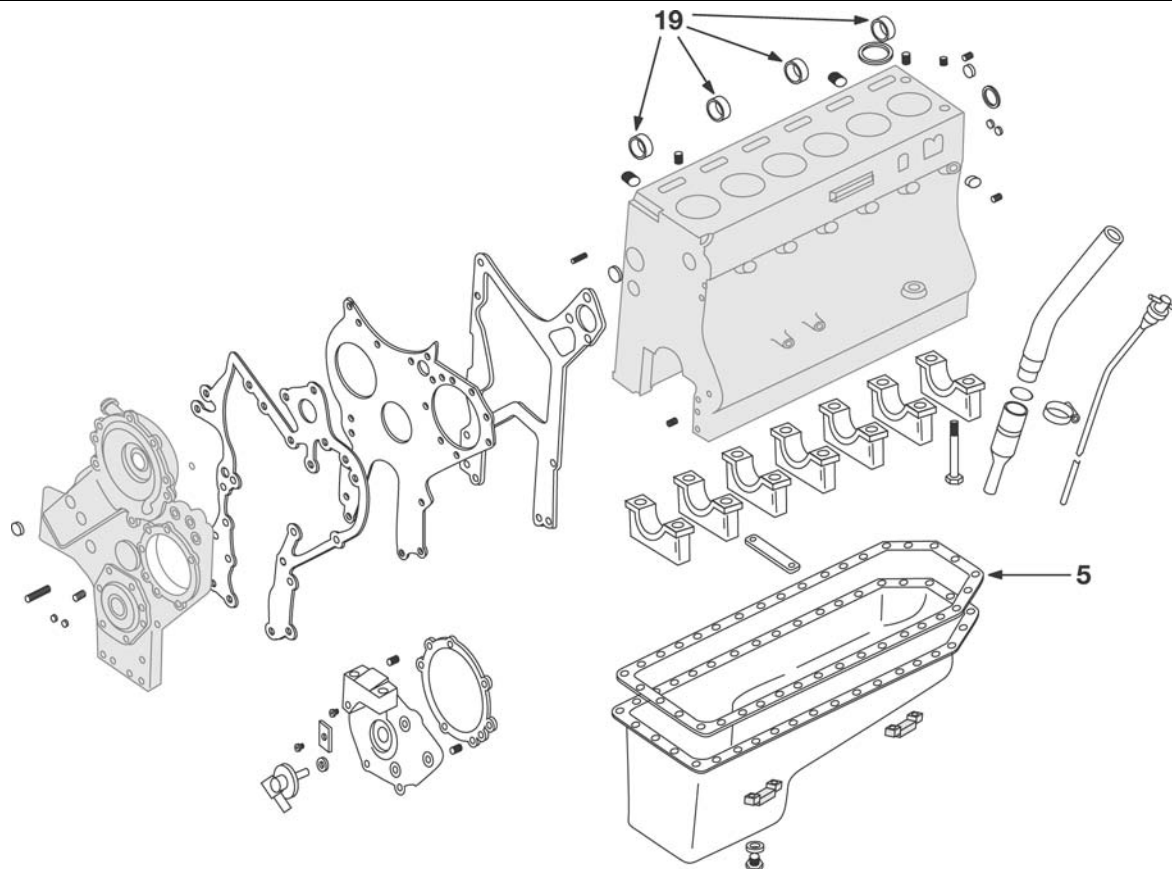


| REF # | QTY | THERMOSTAT | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------|-------|-----------|------|-------------|
| 22 | 1 | Thermostat Gasket | 83-75 | FP-675384 | | |

(continued on next page)

H/D Truck D466 Eng. **43**
7.6L 466 OHV Diesel L6 (12 Valve), 4.3005" Bore 1975-83 (cont.)

ENGINE BLOCK & PARTS



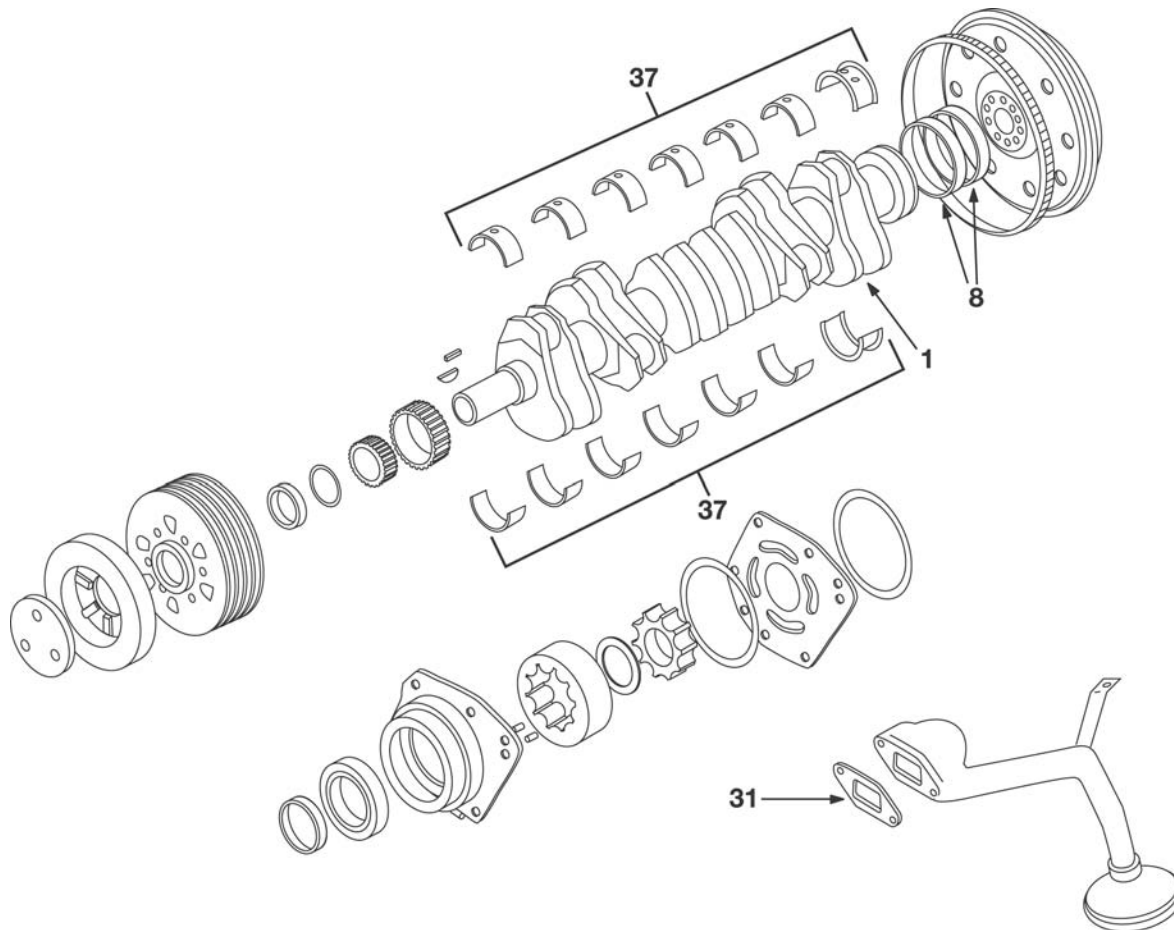
| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------|-------|-----------|------|----------------------------|
| 5 | 1 | Oil Pan Gasket | 83-75 | FP-671825 | | |
| REF # | QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Lower Gasket Set | 83-75 | FP-674399 | | Crankshaft seals not incl. |
| REF # | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 1 | Cam Set | 83-75 | FP-680117 | STD | |

(continued on next page)

43 H/D Truck D466 Eng.

(cont.) 7.6L 466 OHV Diesel L6 (12 Valve), 4.3005" Bore 1975-83

CRANKSHAFT/OIL PUMP

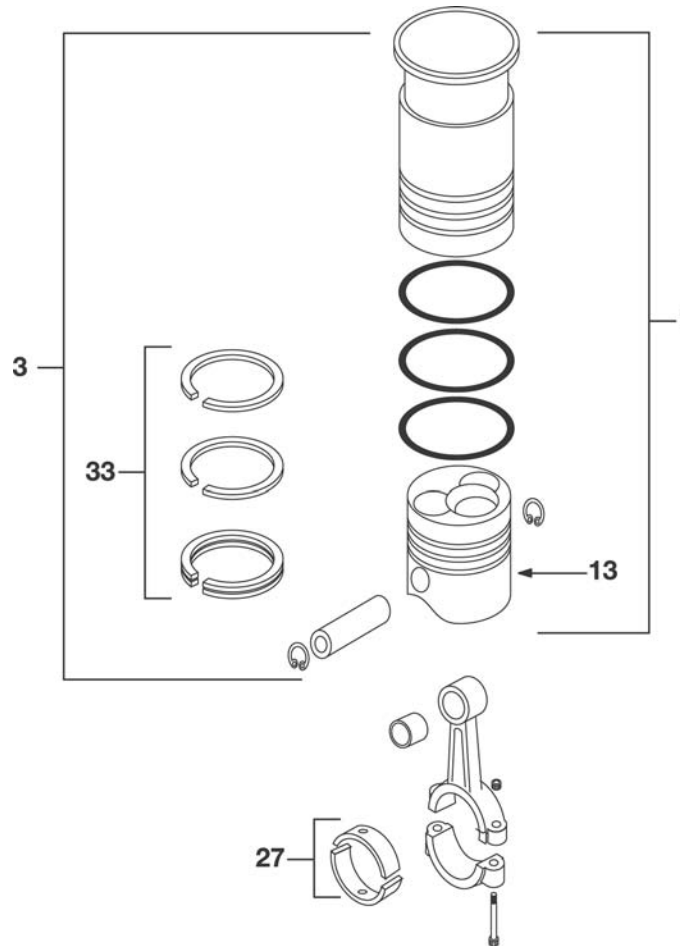


| REF # | QTY | CRANKSHAFT | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------------|-------|------------|------|--------------------------|
| 1 | 1 | Crankshaft | 83-75 | FP-675669 | | |
| REF # | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | 1 | Oil Seal Kit | 83-75 | FP-1809964 | | Incl. seal & wear sleeve |
| REF # | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 37 | 1 | Main Set | 83-75 | FP-1823847 | STD | Narrow |
| 37 | 1 | Main Set | 83-75 | FP-1823848 | 10 | Narrow |
| 37 | 1 | Main Set | 83-75 | FP-1823849 | 20 | Narrow |
| 37 | 1 | Main Set | 83-75 | FP-1823850 | 30 | Narrow |
| REF # | QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 31 | 1 | Oil Inlet Elbow Gasket | 83-75 | FP-671821 | | Oil inlet elbow |

(continued on next page)

H/D Truck D466 Eng. 43
7.6L 466 OHV Diesel L6 (12 Valve), 4.3005" Bore 1975-83 (cont.)

CYLINDER COMPONENTS



| REF # | QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------------------|-------|-------------|------|--|
| 1 | 6 | Piston & Liner Kit w/o Rings | 83-75 | FP-1802580 | | To Ser. No. 74999; 15.2:1 C.R. |
| 3 | 6 | Cylinder Kit Complete | 83-75 | FP-687432 | STD | To Ser. No. 74999; For Engs. equipped w/side mounted breather; 15.2:1 C.R. |
| REF # | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 13 | 6 | Piston Body w/o Pin | 83-75 | FP-684255 | | To Ser. No. 74999; 15.2:1 C.R. |
| REF # | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 6 | Rod Pair | 83-75 | FP-681314 | STD | Narrow |
| 27 | 6 | Rod Pair | 83-75 | FP-681315 | 10 | Narrow |
| 27 | 6 | Rod Pair | 83-75 | FP-687382 | 20 | Narrow |
| 27 | 6 | Rod Pair | 83-75 | FP-681316 | 30 | Narrow |
| 27 | 6 | Rod Pair | 83-75 | FP-68131440 | 40 | Narrow |
| REF # | QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 33 | 6 | Ring Set Single Cylinder | 83-75 | FP-684256 | STD | Engs. w/side mounted breather; 2-1/8, 1-1/4; Incl. narrow gap intermediate rings |
| | 1 | Premium Set | 83-75 | FP-684256S | STD | Engs. w/side mounted breather; 2-1/8, 1-1/4; Incl. narrow gap intermediate rings |



DT-466 Engine

Global Technology Behind Every Part

Overview

The DT-466 diesel engine was first introduced in 1975. It is used in On-Highway truck and bus applications as well as agricultural and construction equipment.

| | |
|--------------------------------|---|
| Engine Type | Diesel, 4-cycle |
| Configuration..... | In-Line 6-cylinder |
| Displacement | 466.4 cu. In. (7.6 Liters) |
| Bore and Stroke..... | 4.30 x 5.35 in. (109.2 x 135.9 mm) |
| Combustion System..... | Direct Injection |
| Total Engine Weight (Dry)..... | All except DT-466E = 1400 lb. (636 kg) DT-466E only = 1275 lb. (578 kg) |

The DT-466 engine has been supplied in various configurations:

| | |
|-------------------|--------------------------------------|
| D-466 | Naturally Aspirated |
| DT-466..... | Turbocharged |
| DT-466B | Turbocharged, "B" Series |
| DTI-466B..... | Turbocharged Intercooled, "B" Series |
| DT-466C | Turbocharged, "C" Series |
| DTA-466C | Turbocharged Intercooled, "C" Series |
| DT-466E | Turbocharged Intercooled |
| DT-466P(NGD)..... | Turbocharged Intercooled |

Early model DT-466 engines use "Cutback Land" pistons. The cutback refers to the smaller diameter above the top ring compared to the diameter below the top ring. Late model DT-466 engines use "Balance Pressure" pistons. These pistons incorporate the cutback land design and a wide groove below the top piston ring. A new intermediate piston ring, with a wider end gap, is used with the "Balance Pressure" piston. The purpose of this configuration is to prevent cylinder pressure from building up below the top ring. This helps prevent cylinder pressure leakage and top ring land wear. The early type piston can be replaced with a "Balance Pressure" piston, but the rocker cover breather must be used.

DT-466 engines also use different crankshafts and bearings. Early model DT-466 engines use crankshafts with large fillet radii at the journals and narrow bearings. The later models use crankshafts with small fillet radii at the journals and wide bearings. The change to wider bearings provided greater load bearing capabilities.

The replaceable wet type cylinder sleeves, gaskets and valve train are the same for all DT-466 engines. A new version of the engine, the DTA-466C, was introduced in 1986, which features a new design liner and a new piston. FP Diesel provides the new style liner to update older engines.

In late 1993, the DT-466P (NGD) was introduced as part of the PLN or "Pump Line Nozzle" engine family that includes the DT-408 and I530P (NGD) engines. These three engines share many internal engine parts. This engine was produced until 1997.

In May 1995, the newest version of the 466 family was introduced labeled the DT-466E, this engine has the electro-hydraulic HEUI fuel system. The HEUI system provides unaided cold starts down to 10 degrees Fahrenheit. As in previous versions of the engine, the DT-466E has wet sleeve cylinders and Plasma-faced top rings to increase power cylinder life. The DT-466E is over 150 lbs lighter than previous generation engines and is available in standard torque and high torque ratings.





DT-466 Engine

Global Technology Behind Every Part

Overhaul Tips

NOTES ON DT-466 OVERHAUL KITS AND COMPONENTS

FP Diesel offers In-Frame Kits under two part numbers –
FP-IFK-DT466

FP-IFK-DT466-4R (4 ring piston)

These kits include:

Cylinder kits (piston and sleeve assemblies for narrow gap ring set applications)

Main Bearings (Available in Std, .010, .020, .030)

Rod Bearings (Available in Std, .010, .020, .030)

In-Frame Gasket Set

For Complete Engine Overhaul Kit simply add the suffix – OH to the In-Frame Kit number –

FP-IFK-DT466-OH

FP-IFK-DT466-4R -OH (4 ring piston)

INSPECTION OF ENGINE AND COMPONENTS DURING OVERHAUL

Camshaft:

Visually inspect the camshaft. Replace it if any lobes are scuffed, scored or cracked. Measure the camshaft lobe lift. Replace the camshaft if the lift is below minimum specification:

Camshaft lift specifications:

- Intake = 0.2735"
- Exhaust = 0.2707"

Replace any tappets that are pitted, scuffed, scored, cracked or otherwise worn.

Intake and Exhaust Manifolds:

Inspect manifold bodies and flanges for cracks and distortions. The intake and exhaust manifold maximum allowable warpage is 0.10". Replace standard intake manifold mounting bolts with prevailing torque (patch type) bolts only.

Piston and Rings:

IMPORTANT: DT-466 engines S/N 76440 and newer use a wider gap (0.065/0.078") second ring and valve cover mounted breather. It is not mandatory that older engines be updated at rebuild. However, if the ring set with the wide gap second ring (part number FP-1810358) is used, the valve cover mounted breather must be used.

Connecting Rods:

Visually inspect connecting rod bolts for damage. The bolts must screw into the rod by hand when lubricated. If resistance is met, re-clean the rod threads and try a new bolt. If the new bolt binds, the rod must be discarded. Do not re-tap rod bolt holes as this is a special rolled thread.

Visually inspect the rod and cap mating surfaces for fretting. If any fretting is observed, discard the rod.

Inspect the connecting rod for straightness. Replace if necessary.

Inspect the piston pin bushing for wear. Replace any worn bushings.

Connecting rod journal bore specifications:

- Connecting rod journal bore is 3.200/3.201"
- Connecting rod journal bore maximum out-of-round is 0.002"
- Connecting rod journal bore maximum taper is 0.0004"

The numbers on the large end of the rod face must be opposite the "camside" of the piston.

The piston is installed with "camside" wording on the camshaft side of the engine.

Cylinder Sleeves:

Visually inspect the inside surface of the sleeve for scuffing or scoring. Inspect the outer surface for cavitation erosion. Replace as required.

Check the cylinder sleeves for I.D. wear (taper).

Using a dial indicator, check cylinder sleeve protrusion at three points around the sleeve, and use the average reading to determine if protrusion is within the specified range of 0.002/0.005". Install shim(s) as required to bring the protrusion of the sleeves above the block deck within specifications.





DT-466 Engine

Global Technology Behind Every Part

Overhaul Tips

Viscous Damper:

Visually inspect the vibration damper inner and outer member alignment marks. If marks are misaligned by more than 0.060", replace the damper.

Visually inspect the damper for dents or leaks. Replace as required.

Check for housing distortion by measuring damper thickness at 4 points with a micrometer. If there is more than 0.002" variation between points, replace the damper.

Crankshaft:

Visually inspect the crankshaft journals (main and rod) for scratches, grooves or scoring.

Measure the diameter of each journal. If the journals exceed the maximum out-of-round specification (0.0013"), the crankshaft must be reground or replaced.

Replace crankshafts that have incurred a bearing failure and show discoloration or metal transfer to the fillet area.

Visually inspect crankshaft gears for chipping or wear. Replace gears if necessary.

Bearing Running Clearance:

Check bearing-to-crankshaft clearance with Plastigage®. If bearing clearance is not within specifications, the crankshaft must be replaced or reground and the correct undersized bearings installed.

Journal and Clearance Specifications:

- Connecting rod bearing clearance 0.0018/0.0051".
Maximum allowed before reconditioning is 0.007".
- Connecting rod side clearance 0.007/0.0015".
Maximum allowed is 0.018".
- Main bearing clearance 0.0018/0.0051".
Maximum allowed before reconditioning is 0.006".
- Crankshaft end play 0.006/0.012".
Maximum allowed is 0.020".

Crankshafts with journal radii of 0.192/0.208" (S/N 439619 and above) use wide rod and main bearings.

Crankshafts with journal radii of 0.220/0.235" (S/N 439618 and below) use narrow rod and main bearings.

Engine Block:

Inspect the block head surface for flatness using a straight edge and feeler gauge. If a 0.003" feeler gauge can pass, replace the block.

Inspect lower cylinder sleeve pilot bore for erosion. If a possibility exists that sleeve "O" rings may not seal against the bore due to erosion, machine the lower bore and install a lower bore insert.

Measure block cylinder sleeve counterbore depth at four points. Resurface counterbores that vary more than 0.001" between the four points.

Oil Pan:

Check turbocharger oil drain tapping block area for leakage or cracking. If defective, the oil pan should be replaced. International dealers offer an oil pan service package consisting of oil pan without tapping block and bulkhead type fitting. Use OE kit part no. 1806664C91 for rear sump pan: use OE kit part no. 1806663C91 for front sump pan.

Cooling System:

Cleaning cooling system: Engines equipped with a coolant filter should be drained and flushed every two years. Engines not equipped with a coolant filter should be drained and flushed once a year.

Antifreeze: Always use antifreeze made with ethylene glycol. Antifreeze made with methoxy propanol or propylene glycol can damage internal engine seals and coolant hoses, and create a potential fire hazard due to lower flash points.

Always refer to the original equipment manufacturer's repair manuals for exact procedures and specifications on any engine repair operation.





DT-466 Engine Family Quick Reference Guide

Global Technology Behind Every Part

| ENGINE YEAR/ DESCRIPTION | ENGINE S/N | PISTON | PISTON & SLEEVE (W/O RINGS) | RING SET | CYL. KIT |
|--|--|--------------------------|-----------------------------------|--------------------------|--------------------------|
| **1975-1978 DT-466 "A" | Below 76440 | FP-684255 | FP-1802580 | FP-1810358 | **FP-687432 |
| 1978-1988 DT-466 B&C DTI-466 B&C | 76441 thru 439617 | FP-1817520 | FP-1817646 | FP-1817247 | FP-1817645 |
| 1989 DT/DTA-466C | 439618 thru 532980 | FP-1817520 | FP-1817646 | FP-1817247 | FP-1817645 |
| 1989 DT/DTA-466C Exc. NAP & NAR | 532981 thru 594840 | FP-1817520 | FP-1817646 | FP-1817247 | FP-1817645 |
| 1990 DTA-466 Exc. 270HP | 594841 thru 618495 | 1815345 | 1815396 | FP-1810358 | N/A |
| 1990 DTA-466 Exc. 270HP | 594841 thru 618495 | 1815330 | 1815399 | FP-1810358 | N/A |
| 1991-1993 DTA-466 | 618496 and above | FP-1817520 | FP-1817646 | FP-1817247 | FP-1817645 |
| 1993-2002 DT-466E | 980819 and below 980820 thru 1194038 | FP-1823313 FP-1825585 | N/A N/A | FP-1817247 FP-1825461 | FP-1824966 FP-1825690 |
| 1993-1997 DT-466P NGD | 888340 and below 888341 and above | FP-1822097 FP-1824810 | N/A N/A | FP-1817247 FP-1825461 | FP-1822340 FP-1824823 |
| DT/DTA-466 DINA | 645484 and below | FP-1817188 | FP-1817339 | FP-1817247 | FP-1817189 |
| DT/DTA-466 | 645485 and above | FP-1817520 | FP-1817646 | FP-1817247 | FP-1817645 |

**Note: Engines equipped with side-mounted breather. All others use valve cover mounted breather.
Part numbers without FP- prefix are for reference only. Call for availability.



DT-466 Engine

Global Technology Behind Every Part

DT-466 In-Frame Overhaul

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|--------------|---------------|------|-----------|---------------------|---|
| FP-IFK-DT466 | FP-1817189 | 6 | | Liner Kit | DT-DTA466, DINA, To Ser. No. 645484 |
| | FP-1817645 | 6 | | Liner Kit | DT-466B & DTI-466B From Ser. No. 76440 To 439617. DT-466C & DTI-466C From Ser. No. 439618 To 532980. DTA-466C To Ser. No. 532980. Contains 3-ring original piston. |
| | FP-687432 | 6 | | Liner Kit | DT-466 To Ser. No. 74999, 15.2:1 C.R. piston |
| | FP-1808059 | 6 | Std. | Rod Bearing Pair | From Ser. No. 439619, wide |
| | FP-1808060 | 6 | 10 | Rod Bearing Pair | From Ser. No. 439619, wide |
| | FP-1808061 | 6 | 20 | Rod Bearing Pair | From Ser. No. 439619, wide |
| | FP-1808062 | 6 | 30 | Rod Bearing Pair | From Ser. No. 439619, wide |
| | FP-681314 | 6 | Std. | Rod Bearing Pair | To Ser. No. 439618, narrow |
| | FP-681315 | 6 | 10 | Rod Bearing Pair | To Ser. No. 439618, narrow |
| | FP-687382 | 6 | 20 | Rod Bearing Pair | To Ser. No. 439618, narrow |
| | FP-681316 | 6 | 30 | Rod Bearing Pair | To Ser. No. 439618, narrow |
| | FP-1823843 | 1 | Std. | Main Bearing Set | From Ser. No. 439619, wide |
| | FP-1823844 | 1 | 10 | Main Bearing Set | From Ser. No. 439619, wide |
| | FP-1823845 | 1 | 20 | Main Bearing Set | From Ser. No. 439619, wide |
| | FP-1823846 | 1 | 30 | Main Bearing Set | From Ser. No. 439619, wide |
| | FP-1823847 | 1 | Std. | Main Bearing Set | To Ser. No. 439618, narrow |
| | FP-1823848 | 1 | 10 | Main Bearing Set | To Ser. No. 439618, narrow |
| | FP-1823849 | 1 | 20 | Main Bearing Set | To Ser. No. 439618, narrow |
| | FP-1823850 | 1 | 30 | Main Bearing Set | To Ser. No. 439618, narrow |
| | PGN466-IF | 1 | | In-Frame Gasket Set | |



DT-466 Engine

Global Technology Behind Every Part

DT-466 In-Frame Overhaul – 4 Ring Piston

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|------------------------|---------------|------|-----------|---------------------|--------------------------------|
| FP-IFK-DT466-4R | FP-1810359-4R | 6 | | Liner Kit | For 4-Ring Piston Applications |
| | FP-1808059 | 6 | Std. | Rod Bearing Pair | From Ser. No. 439619, wide |
| | FP-1808060 | 6 | 10 | Rod Bearing Pair | From Ser. No. 439619, wide |
| | FP-1808061 | 6 | 20 | Rod Bearing Pair | From Ser. No. 439619, wide |
| | FP-1808062 | 6 | 30 | Rod Bearing Pair | From Ser. No. 439619, wide |
| | FP-681314 | 6 | Std. | Rod Bearing Pair | To Ser. No. 439618, narrow |
| | FP-681315 | 6 | 10 | Rod Bearing Pair | To Ser. No. 439618, narrow |
| | FP-687382 | 6 | 20 | Rod Bearing Pair | To Ser. No. 439618, narrow |
| | FP-681316 | 6 | 30 | Rod Bearing Pair | To Ser. No. 439618, narrow |
| | FP-1823843 | 1 | Std. | Main Bearing Set | From Ser. No. 439619, wide |
| | FP-1823844 | 1 | 10 | Main Bearing Set | From Ser. No. 439619, wide |
| | FP-1823845 | 1 | 20 | Main Bearing Set | From Ser. No. 439619, wide |
| | FP-1823846 | 1 | 30 | Main Bearing Set | From Ser. No. 439619, wide |
| | FP-1823847 | 1 | Std. | Main Bearing Set | To Ser. No. 439618, narrow |
| | FP-1823848 | 1 | 10 | Main Bearing Set | To Ser. No. 439618, narrow |
| | FP-1823849 | 1 | 20 | Main Bearing Set | To Ser. No. 439618, narrow |
| | FP-1823850 | 1 | 30 | Main Bearing Set | To Ser. No. 439618, narrow |
| | PGN466-IF | 1 | | In-Frame Gasket Set | |



DT-466 Engine

Global Technology Behind Every Part

DT-466 Complete Overhaul

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|-----------------|---------------|------|-----------|---------------------|---|
| FP-IFK-DT466-OH | FP-1817189 | 6 | | Liner Kit | DT-DTA466, DINA, To Ser. No. 645484 |
| | FP-1817645 | 6 | | Liner Kit | DT-466B & DTI-466B From Ser. No. 76440 To 439617. DT-466C & DTI-466C From Ser. No. 439618 To 532980. DTA-466C To Ser. No. 532980. Contains 3-ring original piston. |
| | FP-687432 | 6 | | Liner Kit | DT-466 To Ser. No. 74999, 15.2:1 C.R. piston |
| | FP-1808059 | 6 | Std. | Rod Bearing Pair | From Ser. No. 439619, wide |
| | FP-1808060 | 6 | 10 | Rod Bearing Pair | From Ser. No. 439619, wide |
| | FP-1808061 | 6 | 20 | Rod Bearing Pair | From Ser. No. 439619, wide |
| | FP-1808062 | 6 | 30 | Rod Bearing Pair | From Ser. No. 439619, wide |
| | FP-681314 | 6 | Std. | Rod Bearing Pair | To Ser. No. 439618, narrow |
| | FP-681315 | 6 | 10 | Rod Bearing Pair | To Ser. No. 439618, narrow |
| | FP-687382 | 6 | 20 | Rod Bearing Pair | To Ser. No. 439618, narrow |
| | FP-681316 | 6 | 30 | Rod Bearing Pair | To Ser. No. 439618, narrow |
| | FP-1823843 | 1 | Std. | Main Bearing Set | From Ser. No. 439619, wide |
| | FP-1823844 | 1 | 10 | Main Bearing Set | From Ser. No. 439619, wide |
| | FP-1823845 | 1 | 20 | Main Bearing Set | From Ser. No. 439619, wide |
| | FP-1823846 | 1 | 30 | Main Bearing Set | From Ser. No. 439619, wide |
| | FP-1823847 | 1 | Std. | Main Bearing Set | To Ser. No. 439618, narrow |
| | FP-1823848 | 1 | 10 | Main Bearing Set | To Ser. No. 439618, narrow |
| | FP-1823849 | 1 | 20 | Main Bearing Set | To Ser. No. 439618, narrow |
| | FP-1823850 | 1 | 30 | Main Bearing Set | To Ser. No. 439618, narrow |
| | PGN466-C | 1 | | Overhaul Gasket Set | |



DT-466 Engine

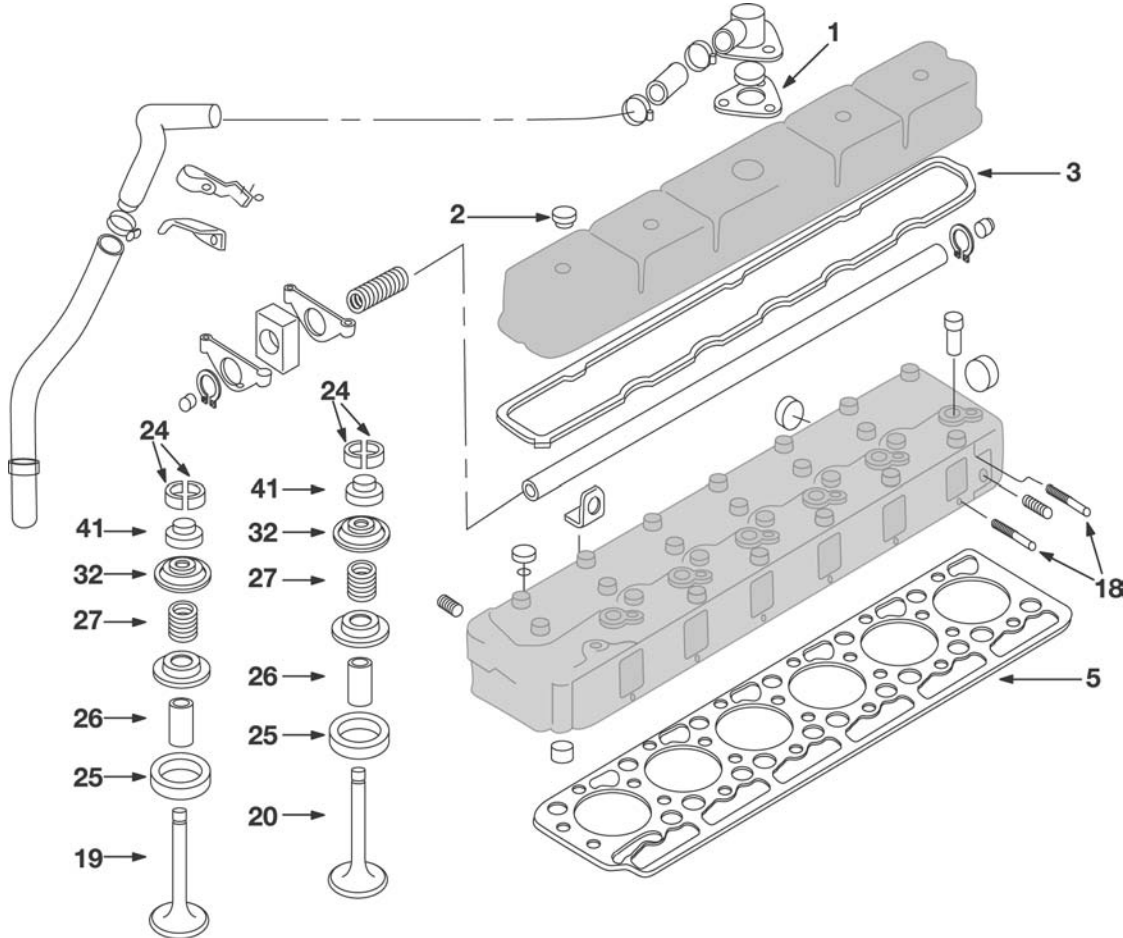
Global Technology Behind Every Part

DT-466 Complete Overhaul – 4 Ring Piston

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|---------------------------|---------------|------|-----------|---------------------|--------------------------------|
| FP-IFK-DT466-4R-OH | FP-1810359-4R | 6 | | Liner Kit | For 4-Ring Piston Applications |
| | FP-1808059 | 6 | Std. | Rod Bearing Pair | From Ser. No. 439619, wide |
| | FP-1808060 | 6 | 10 | Rod Bearing Pair | From Ser. No. 439619, wide |
| | FP-1808061 | 6 | 20 | Rod Bearing Pair | From Ser. No. 439619, wide |
| | FP-1808062 | 6 | 30 | Rod Bearing Pair | From Ser. No. 439619, wide |
| | FP-681314 | 6 | Std. | Rod Bearing Pair | To Ser. No. 439618, narrow |
| | FP-681315 | 6 | 10 | Rod Bearing Pair | To Ser. No. 439618, narrow |
| | FP-687382 | 6 | 20 | Rod Bearing Pair | To Ser. No. 439618, narrow |
| | FP-681316 | 6 | 30 | Rod Bearing Pair | To Ser. No. 439618, narrow |
| | FP-1823843 | 1 | Std. | Main Bearing Set | From Ser. No. 439619, wide |
| | FP-1823844 | 1 | 10 | Main Bearing Set | From Ser. No. 439619, wide |
| | FP-1823845 | 1 | 20 | Main Bearing Set | From Ser. No. 439619, wide |
| | FP-1823846 | 1 | 30 | Main Bearing Set | From Ser. No. 439619, wide |
| | FP-1823847 | 1 | Std. | Main Bearing Set | To Ser. No. 439618, narrow |
| | FP-1823848 | 1 | 10 | Main Bearing Set | To Ser. No. 439618, narrow |
| | FP-1823849 | 1 | 20 | Main Bearing Set | To Ser. No. 439618, narrow |
| | FP-1823850 | 1 | 30 | Main Bearing Set | To Ser. No. 439618, narrow |
| | PGN466-C | 1 | | Overhaul Gasket Set | |

44 *M/D Truck* DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs. *H/D Truck* DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs.
7.6L 466 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1975-97

CYL. HEAD & PARTS



| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------|-------|------------|------|---|
| 1 | 1 | Breather Housing Gasket | 93-75 | FP-673973 | | |
| 2 | 6 | Grommet | 93-75 | FP-677692 | | Valve cover bolt |
| 3 | 1 | Valve Cover Gasket | 97-93 | FP-1817510 | | DT466P (NGD) Engs. |
| 3 | 1 | Valve Cover Gasket | 93-75 | FP-675109 | | |
| 5 | 1 | Head Gasket | 97-93 | FP-1817562 | | DT466P (NGD) Engs. |
| 5 | 1 | Head Gasket | 93-75 | FP-1819547 | | |
| 1 | 1 | Head Set | 97-93 | FP-1822328 | | DT466P (NGD) Engs. |
| 1 | 1 | Head Set | 93-75 | FP-1808973 | | |
| REF # | QTY | MANIFOLD STUDS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 18 | 1 | Exhaust Manifold Stud | 93-75 | FP-682840 | | From Ser. No. 571742 |
| REF # | QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 6 | Intake | 97-94 | FP-1824642 | | DT466P (NGD) Engs.; From Ser. No. 956464; 3/8" valve stem |
| 19 | 6 | Intake | 97-94 | FP-1818580 | | DT466P (NGD) Engs.; To Ser. No. 956463; 5/16" valve stem |
| 19 | 6 | Intake | 93-75 | FP-675046 | | |
| 20 | 6 | Exhaust | 97-94 | FP-1824842 | | DT466P (NGD) Engs.; From Ser. No. 956464; 3/8" valve stem |
| 20 | 6 | Exhaust | 97-94 | FP-1824838 | | DT466P (NGD) Engs.; To Ser. No. 956463; 5/16" valve stem |
| 20 | 6 | Exhaust | 93-75 | FP-676865 | | |

(continued on next page)

**M/D Truck DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 44
439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C (cont.)
From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No.
439617, DT466P (NGD) Engs. H/D Truck DT466 To Ser. No. 76439, DT466A To Ser. No.
76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No.
594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No.
439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs.
7.6L 466 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1975-97**

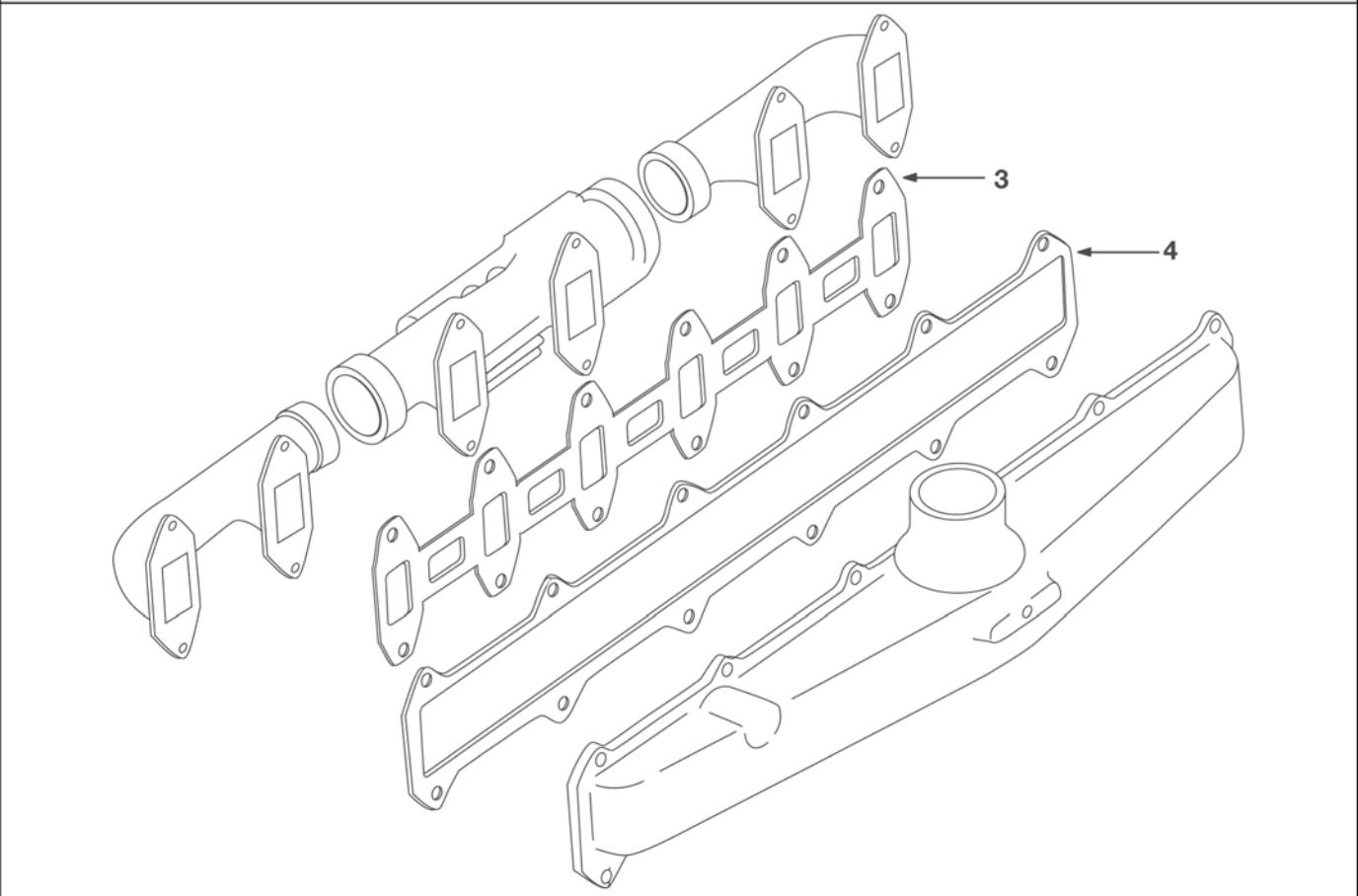
CYL. HEAD & PARTS (cont.)

| REF # | QTY | VALVE (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|----------------------|-------|--------------|------|--|
| 24 | 24 | Keeper | 97-94 | FP-1824644 | | DT466P (NGD) Engs.; From Ser. No. 956464; 3/8" valve stem |
| 24 | 24 | Keeper | 97-94 | FP-1810944 | | DT466P (NGD) Engs.; To Ser. No. 956463; 5/16" valve stem |
| 24 | 24 | Keeper | 93-75 | FP-41339 | | 1 groove; Square cut key groove |
| 24 | 24 | Keeper | 93-75 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 24 | 24 | Keeper | 93-75 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 24 | 24 | Keeper, Bulk | 93-75 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| REF # | QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 25 | 6 | Exh. | 97-94 | FP-675450 | STD | DT466P (NGD) Engs.; I.D. Top taper 1.524"; 1.6285" OD, 1.3480" ID, .3650" Depth |
| 25 | 6 | Int. | 97-94 | FP-675043 | STD | DT466P (NGD) Engs.; I.D. Top taper 1.767"; 1.9990" OD, 1.7120" ID, .3860" Depth |
| 25 | 6 | Exh. | 93-75 | FP-671563 | 2 | |
| 25 | 6 | Exh. | 93-75 | FP-671565 | 15 | |
| 25 | 6 | Int. | 93-75 | FP-671559 | 2 | |
| 25 | 6 | Int. | 93-75 | FP-671561 | 15 | |
| REF # | QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 26 | 12 | Guide | 97-94 | FP-1824646 | | DT466P (NGD) Engs.; From Ser. No. 956464; .375" ID, .6262" OD, 2.39" O.A.L.; .3750" ID, 2.3900" O.A.L. |
| 26 | 12 | Guide | 97-94 | FP-1820264 | | DT466P (NGD) Engs.; To Ser. No. 956463; .315" ID, .565" OD, 2.391" O.A.L. |
| 26 | 12 | Guide | 93-89 | FP-1815264 | | From 6/89, new style, cut for valve stem seal; From Ser. No. 594840; 2.610" O.A.L. |
| 26 | 12 | Guide | 89-75 | FP-675439 | | To 5/89; To Ser. No. 594839; 2.750" O.A.L.; .3745" ID, 2.7500" O.A.L. |
| REF # | QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 6 | Spring | 97-94 | FP-1825540 | | Exh.; DT466P (NGD) Engs. |
| 27 | 6 | Spring | 97-94 | FP-677349 | | Int.; DT466P (NGD) Engs. |
| 27 | 12 | Spring | 93-75 | FP-677349 | | From Ser. No. 532981 |
| 27 | 12 | Spring | 93-75 | FP-682064 | | To Ser. No. 532980; 2.3400" Free Height |
| 27 | 12 | Valve Spring Seat | 90-75 | FP-675443 | | |
| REF # | QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 12 | Push Rod | 93-75 | FP-675621 | | To Ser. No. 532980; 11.4000" O.A.L. |
| REF # | QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 32 | 12 | Rotocap Assy. | 91-75 | FP-1811581 | | To Ser. No. 594839 |
| 32 | 12 | Rotocap | 97-94 | FP-1824680 | | DT466P (NGD); From Ser. No. 956464; Valve stem seal incl. |
| | 12 | Bushing | 97-89 | FP-1818446 | | From Ser. No. 594840; Use w/FP-1817661 rotocap or 1817661C91 O.E. rotocap; Exc. DT466P (NGD) Engs. |
| | 1 | Bushing | 97-89 | FP-1818509 | | Valve Rotator bushing kit; From Ser. No. 626213; Incl. 12 of FP-1818446 bushings |
| | 12 | Valve Rotator Seal | 97-94 | FP-1824683 | | DT466P (NGD); From Ser. No. 956464 |
| REF # | QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 41 | 12 | Valve Stem Seal | 93-75 | ST-2002 | | Installation requires valve guide machining; Polyacrylate |
| 41 | 12 | Valve Stem Seal | 97-93 | FP-1822245 * | | Exh. & Int.; DT466P (NGD) To Ser. No. 956463; 5/16" Valve Stem |
| 41 | 12 | Valve Stem Seal | 93-75 | FP-1815374 | | From Ser. No. 594840 |
| 41 | 12 | Valve Stem Seal | 93-75 | FP-156541 | | Installation requires valve guide machining; Polyacrylate |
| 41 | 12 | Valve Stem Seal | 93-75 | FP-681234 | | To Ser. No. 594839; Umbrella type |
| 41 | 12 | Valve Stem Seal Bulk | 93-75 | ST-2002BC | | Positive type; Installation requires valve guide machining; Carton of 100; Polyacrylate |

(continued on next page)

44 *M/D Truck* DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs. *H/D Truck* DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs.
7.6L 466 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1975-97

INT & EXH MANIFOLDS

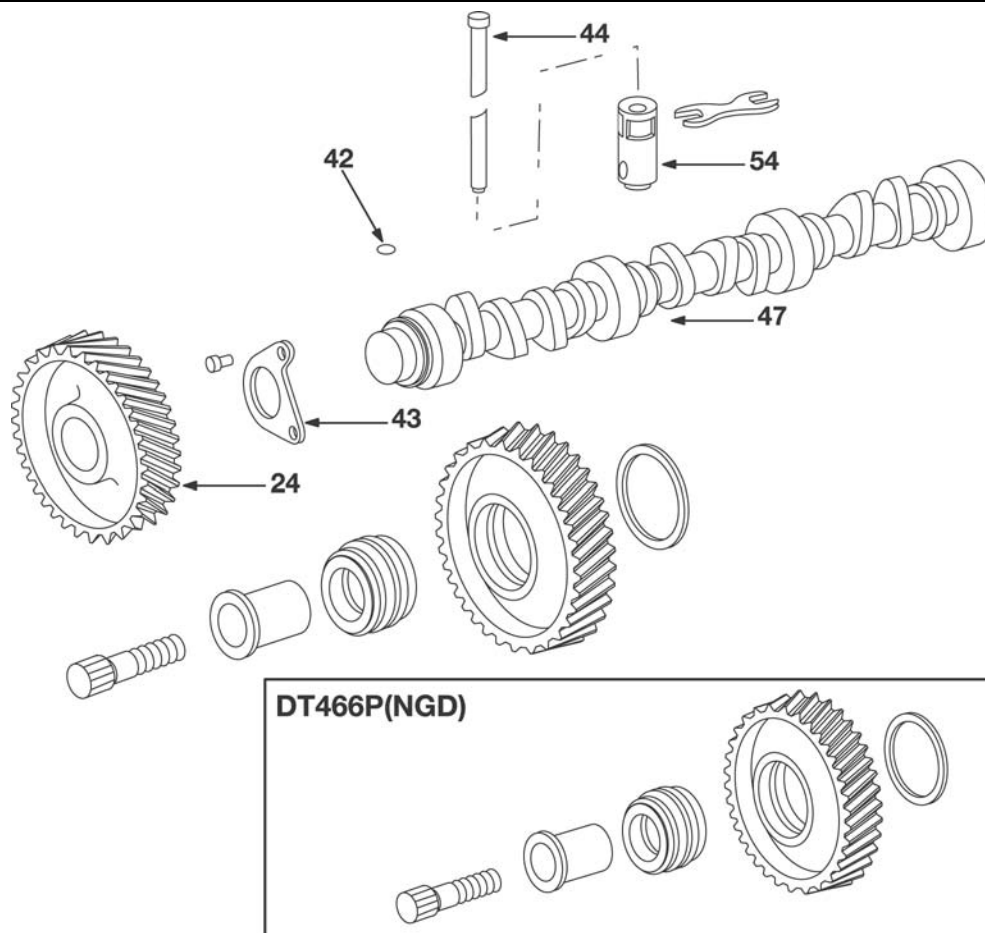


| REF # | QTY | INT. & EXH. MANIFOLDS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------|-------|------------|------|--------------------|
| 3 | 1 | Exhaust Manifold Gasket | 97-94 | FP-1825436 | | |
| 3 | 6 | Exhaust Manifold Gasket | 93-75 | FP-688928 | | To Ser. No. 532980 |
| 4 | 1 | Intake Manifold Gasket | 93-75 | FP-682199 | | To Ser. No. 532980 |

(continued on next page)

M/D Truck DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs. H/D Truck DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs. 7.6L 466 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1975-97

CAMSHAFT GROUP



| | | | | | | |
|--|--|--|---|---|-------------|--|
| REF # 24 | QTY 1 | TIMING Cam Gear | YEARS 93-78 | PART NO. FP-675600 | SIZE | DESCRIPTION Exc. DT466P; 66 Teeth |
| REF # 42 42 | QTY 1 1 | CAMSHAFT TIMING Woodruff Key Woodruff Key | YEARS 97-94 93-75 | PART NO. FP-218211 FP-218211 | SIZE | DESCRIPTION Cam gear; DT466P (NGD) Engs.; 1/4" x 3/4" Cam gear; 1/4" x 3/4" |
| REF # 47 47 54 54 54 | QTY 1 1 12 12 12 | CAMSHAFT/LIFTER Camshaft Camshaft Lifter Lifter Lifter | YEARS 93-78 93-75 97-94 93-88 93-78 | PART NO. FP-1802337 FP-1810744 FP-1809570 FP-1809570 FP-1802340 | SIZE | DESCRIPTION Use w/Mechanical lifters Use w/Roller lifters DT466P (NGD) Engs.; Roller type From Ser. No. 532981; Roller type From Ser. No. 140087 to 532980 w/o valve train improvement package; Mech.; 1.120" dia. body |
| 54 | 12 | Lifter | 93-78 | FP-911776 | | To Ser. No. 140086; Mech.; .997" dia. body |
| | 1 | Prelube | 93-78 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |
| REF # | QTY 1 | CAMSHAFT KIT Cam/Lifter Kit | YEARS 93-75 | PART NO. FP-1802337WL | SIZE | DESCRIPTION Incl. (1) FP-1802337, (12) FP-911776 |
| FUEL SYSTEM & PARTS | | | | | | |
| | QTY 6 6 6 | FUEL INJECTION Injector Nozzle Seat Gasket Injector Nozzle Seat Gasket Grommet | YEARS 97-94 93-75 97-94 | PART NO. FP-675477 FP-675477 FP-682810 | SIZE | DESCRIPTION DT466P (NGD) Engs.; .060" thick .060" thick Injector dust seal; DT466P (NGD) Engs. |

(continued on next page)

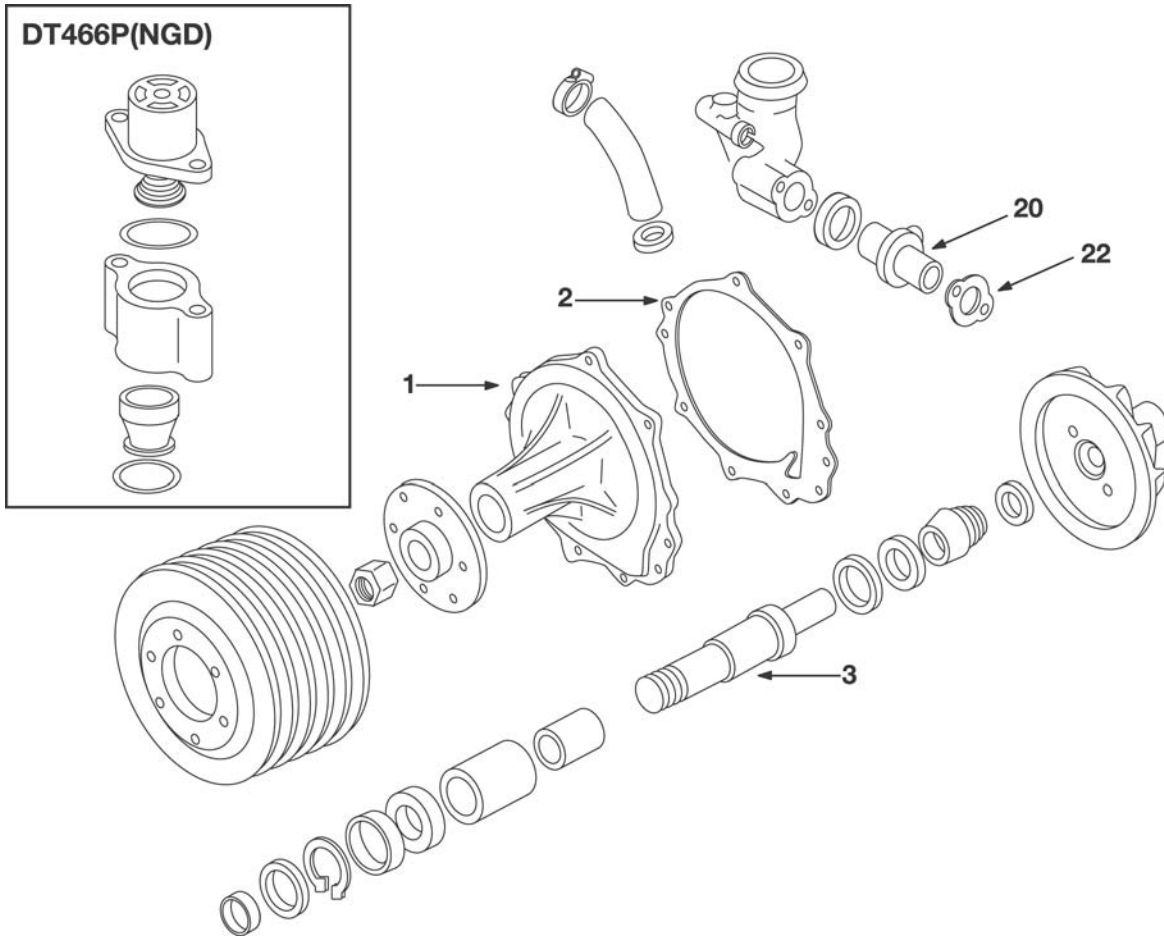
44 *M/D Truck* DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs. *H/D Truck* DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs.
7.6L 466 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1975-97

FUEL SYSTEM & PARTS (cont.)

| QTY | FUEL INJECTION (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-------------------------------|-------|------------|------|---------------------------|
| 6 | Grommet | 93-75 | FP-682810 | | Injector dust seal |
| 6 | Fuel Injector Sleeve | 97-94 | FP-675442 | | DT466P (NGD) Engs. |
| 6 | Fuel Injector Sleeve | 93-75 | FP-675442 | | |
| QTY | FUEL FILTERS & PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Injector Pump Mount Gasket | 93-75 | FP-675609 | | |
| 1 | Fuel Pump Access Gasket | 93-75 | FP-675816 | | |
| QTY | TURBOCHARGER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Turbocharger Oil Drain Gasket | 93-75 | FP-670079 | | |
| 1 | Turbocharger Oil Inlet Gasket | 93-75 | FP-253660 | | |
| 1 | Turbocharger Mounting Gasket | 97-94 | FP-1822120 | | DT466P (NGD) Engs. |
| 1 | Turbocharger Mounting Gasket | 93-75 | FP-670073 | | |
| 1 | Air Intake Elbow Gasket | 93-75 | FP-686181 | | Ser. No. 143536 to 567491 |

COOLING SYSTEM

DT466P(NGD)



| REF # | QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------|-------|------------|------|--|
| 1 | 1 | Water Pump - Heavy Duty | 97-94 | FP-1817687 | | DT466P (NGD) Engs.; w/7 bolt mounting flange |
| 1 | 1 | Water Pump - Heavy Duty | 93-75 | FP-680899 | | Cargostar, To Ser. No. 642459 |
| 1 | 1 | Water Pump - Heavy Duty | 93-75 | FP-1815538 | | From Ser. No. 642460. Exc. LPE Engs. for trucks built from 10/4/91 |
| 1 | 1 | Water Pump - Heavy Duty | 93-75 | FP-685155 | | S-Series & Paystar; To Ser. No. 638215 |
| 3 | 1 | Water Pump Shaft | 93-75 | FP-685153 | | To Ser. No. 638217 |

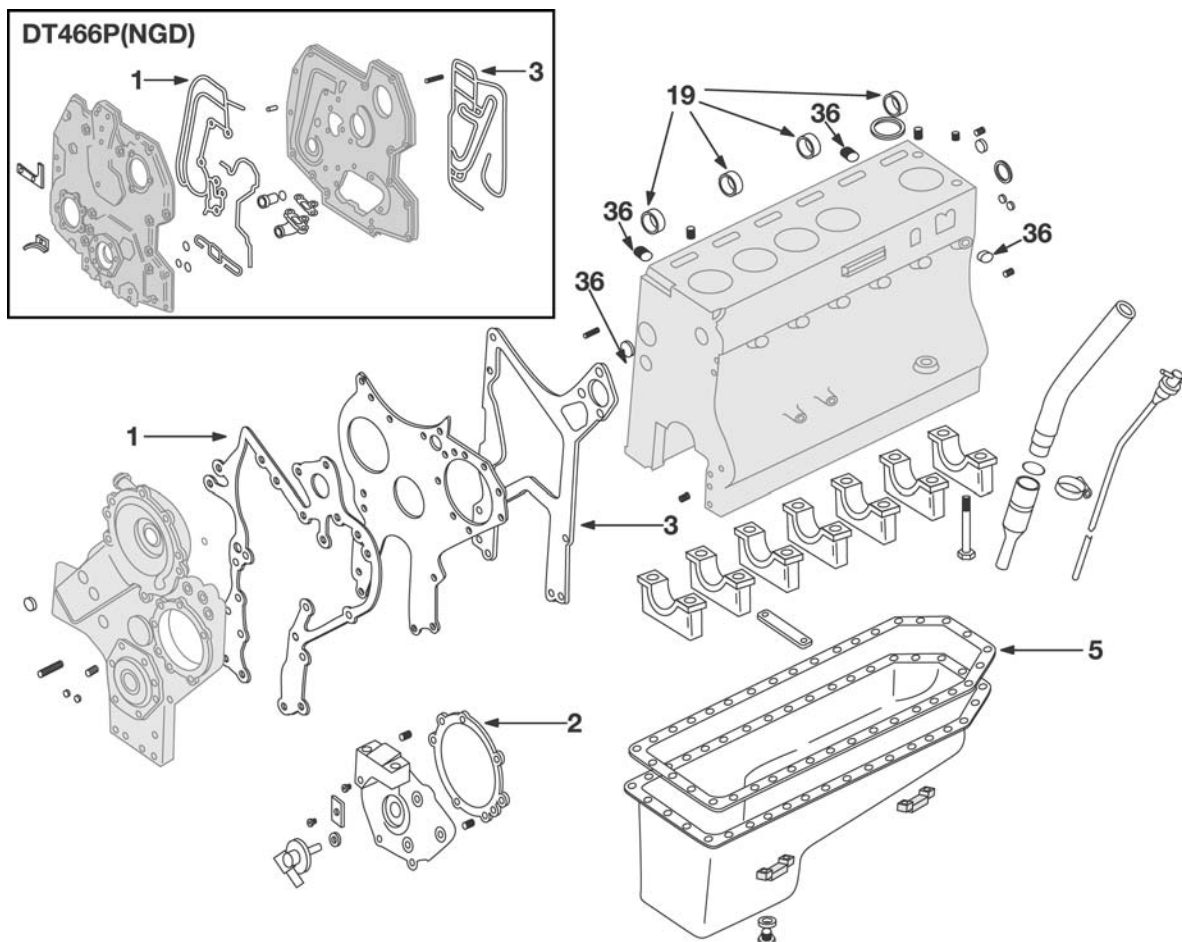
(continued on next page)

M/D Truck DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 44
439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C (cont.)
From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No.
439617, DT466P (NGD) Engs. H/D Truck DT466 To Ser. No. 76439, DT466A To Ser. No.
76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No.
594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No.
439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs.
7.6L 466 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1975-97

COOLING SYSTEM (cont.)

| REF # | QTY | WATER PUMP (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|---------------------------|-------|------------|------|--|
| 2 | 1 | Water Pump Housing Gasket | 93-75 | FP-675808 | | S-Series & Paystar; From Ser. No. 567492 |
| REF # | QTY | THERMOSTAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 20 | 1 | Thermostat | 93-75 | FP-1801191 | | 180 Deg., Incl. seal |
| 22 | 1 | Thermostat Gasket | 93-75 | FP-675384 | | |

ENGINE BLOCK & PARTS



| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------------------|-------|------------|------|---|
| 1 | 1 | Front Cover Gasket | 93-75 | FP-1810510 | | Exc. S-Series & Paystar |
| 1 | 1 | Front Cover Gasket | 93-75 | FP-675812 | | S-Series & Paystar; From Ser. No. 532981 |
| 1 | 1 | Front Cover Gasket | 93-75 | FP-675813 | | S-Series & Paystar; To Ser. No. 532980 |
| 2 | 1 | Fuel Pump Access Gasket | 93-75 | FP-675816 | | |
| 3 | 1 | Front Crankcase Cover Gasket | 93-75 | FP-677082 | | Cargostar w/alternator bracket |
| 3 | 1 | Front Crankcase Cover Gasket | 93-75 | FP-680084 | | To Ser. No. 532980 |
| | 1 | Crankcase Cover Set | 93-75 | FP-1813933 | | From Ser. No. 532981 |
| | 1 | Flywheel Housing Gasket | 93-75 | FP-682945 | | Exc. 270 HP Engs. w/MT654CR and FC Bus |
| 5 | 1 | Oil Pan Gasket | 97-94 | FP-1826587 | | DT466P Engs. |
| 5 | 1 | Oil Pan Gasket | 93-75 | FP-671827 | | |
| | 1 | Chemicals | 97-94 | FP-1816593 | | Oil Pan; DT466P Engs.; For oil pan w/o mounting bars; RTV Sealant |
| REF # | QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Lower Gasket Set | 93-75 | FP-1815668 | | From Ser. No. 532981 |

(continued on next page)

44 M/D Truck DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs. H/D Truck DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs.
7.6L 466 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1975-97

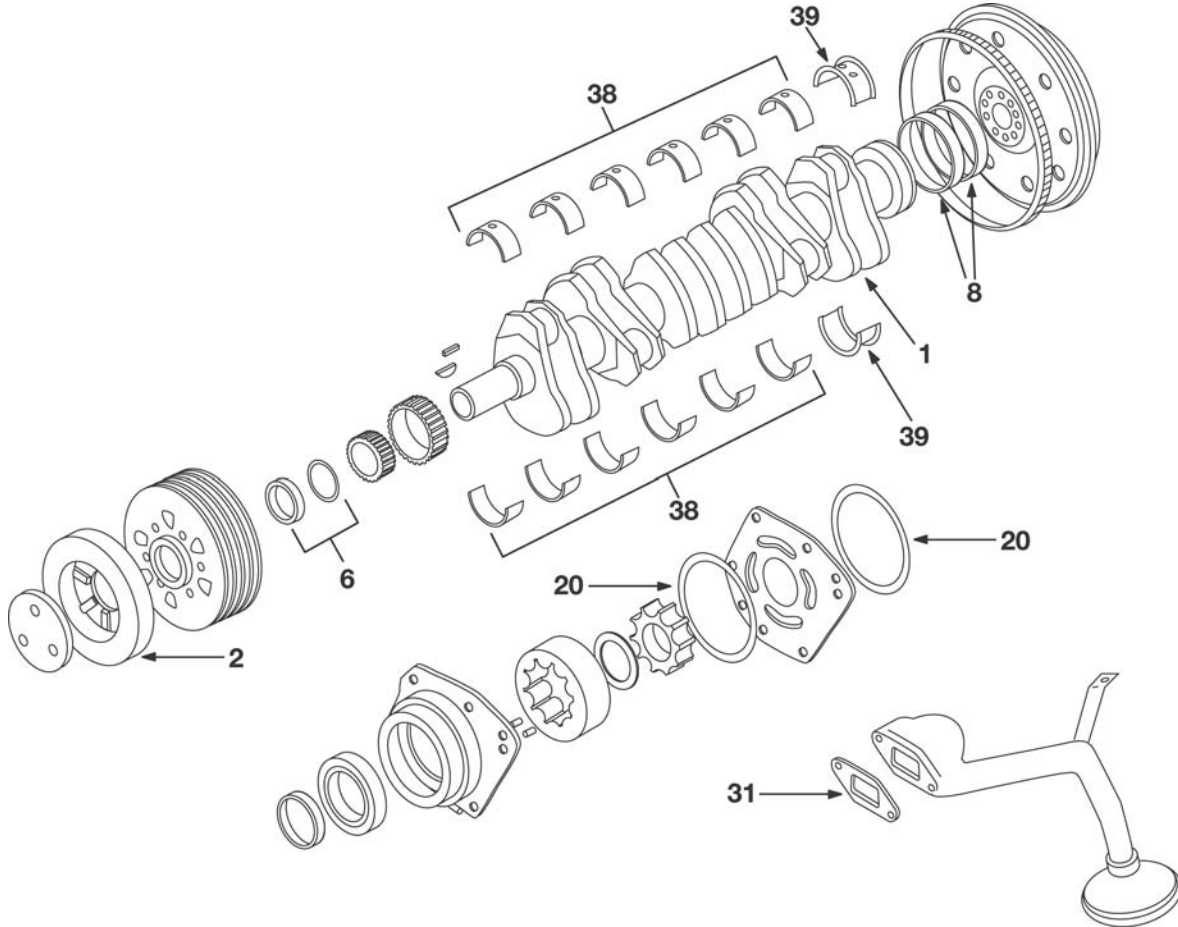
ENGINE BLOCK & PARTS (cont.)

| REF # | QTY | GASKET SETS (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------------------|-------|----------------|------|--|
| | 1 | Lower Gasket Set | 93-75 | FP-674399WS | | To Ser. No. 532980; Crankshaft seals incl. |
| | 1 | Lower Gasket Set | 93-75 | FP-674399 | | To Ser. No. 532980; Crankshaft seals not incl. |
| | 1 | In-Frame Gasket Set | 97-93 | FP-PGN466NGDIF | | DT466P (NGD) Engs. |
| | 1 | In-Frame Gasket Set | 93-78 | FP-PGN466IF | | Head set & bearing roll-in |
| | 1 | In-Frame Gasket Set | 93-75 | FP-PGN4661 | | Head set & front crankshaft seal |
| | 1 | Complete Overhaul Gasket Set | 93-78 | FP-PGN466C | | Does not incl. rear seal for DT466P Engs. |

| REF # | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|--------------|-------|-----------|------|--------------------|
| 19 | 1 | Cam Set | 97-94 | FP-680117 | STD | DT466P (NGD) Engs. |
| 19 | 1 | Cam Set | 93-75 | FP-680117 | STD | |

| REF # | QTY | OIL COOLERS & FILTERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-----------------------|-------|-----------|------|-----------------|
| | 1 | O-Ring | 93-75 | FP-252483 | | Oil cooler tube |

CRANKSHAFT/OIL PUMP



| REF # | QTY | CRANKSHAFT | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------|-------|-----------|------|-------------------|
| 1 | 1 | Crankshaft | 93-75 | FP-675669 | | Exc. DT466P Engs. |

| REF # | QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|---------------------|-------|-----------|------|--|
| 6 | 1 | Oil Seal Kit | 97-94 | FP-690437 | | DT466P Engs.; Incl. seal & wear sleeve |
| 6 | 1 | Oil Seal Kit | 93-75 | FP-690437 | | Incl. seal & wear sleeve |
| 6 | 1 | Oil Seal | 92-78 | 714470 | | |

| REF # | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|--------------------|-------|------------|------|--|
| 8 | 1 | Oil Seal Kit | 97-94 | FP-1817867 | | DT466P Engs.; Incl. seal & wear sleeve |

(continued on next page)

M/D Truck DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 44
439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C (cont.)
From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No.
439617, DT466P (NGD) Engs. H/D Truck DT466 To Ser. No. 76439, DT466A To Ser. No.
76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No.
594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No.
439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs.
7.6L 466 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1975-97

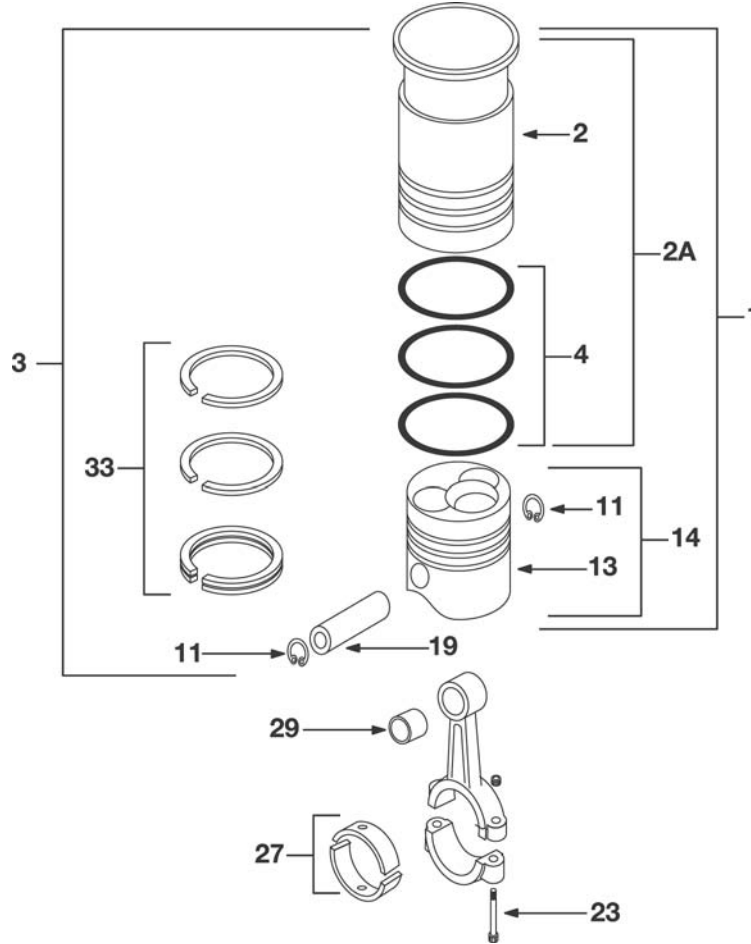
CRANKSHAFT/OIL PUMP (cont.)

| REF # | QTY | SEALS - REAR CRANK (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------------|-------|------------|------|--|
| 8 | 1 | Oil Seal Kit | 93-75 | FP-1809964 | | Exc. DT466P Engs.; Incl. seal & wear sleeve |
| REF # | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Main Set | 93-75 | FP-1823843 | STD | From Ser. No. 439619; Wide |
| | 1 | Main Set | 93-75 | FP-1823844 | 10 | From Ser. No. 439619; Wide |
| | 1 | Main Set | 93-75 | FP-1823845 | 20 | From Ser. No. 439619; Wide |
| | 1 | Main Set | 93-75 | FP-1823846 | 30 | From Ser. No. 439619; Wide |
| | 1 | Main Set | 93-75 | FP-1823847 | STD | To Ser. No. 439618; Narrow |
| | 1 | Main Set | 93-75 | FP-1823848 | 10 | To Ser. No. 439618; Narrow |
| | 1 | Main Set | 93-75 | FP-1823849 | 20 | To Ser. No. 439618; Narrow |
| | 1 | Main Set | 93-75 | FP-1823850 | 30 | To Ser. No. 439618; Narrow |
| 38 | 6 | Plain Main Brg. | 97-94 | FP-1822321 | STD | Position 1-2-3-4-5-6; DT466P (NGD) Engs. |
| 38 | 6 | Plain Main Brg. | 97-94 | FP-1822490 | 10 | Position 1-2-3-4-5-6; DT466P (NGD) Engs. |
| 38 | 6 | Plain Main Brg. | 97-94 | FP-1822491 | 20 | Position 1-2-3-4-5-6; DT466P (NGD) Engs. |
| 38 | 6 | Plain Main Brg. | 97-94 | FP-1822492 | 30 | Position 1-2-3-4-5-6; DT466P (NGD) Engs. |
| 38 | 6 | Plain Main Brg. | 93-75 | FP-1808069 | STD | Position 1-2-3-4-5-6; From Ser. No. 439619; Wide |
| 38 | 6 | Plain Main Brg. | 93-75 | FP-1808070 | 10 | Position 1-2-3-4-5-6; From Ser. No. 439619; Wide |
| 38 | 6 | Plain Main Brg. | 93-75 | FP-1808071 | 20 | Position 1-2-3-4-5-6; From Ser. No. 439619; Wide |
| 38 | 6 | Plain Main Brg. | 93-75 | FP-1808072 | 30 | Position 1-2-3-4-5-6; From Ser. No. 439619; Wide |
| 38 | 6 | Plain Main Brg. | 93-75 | FP-684570 | STD | Position 1-2-3-4-5-6; To Ser. No. 439618; Narrow |
| 38 | 6 | Plain Main Brg. | 93-75 | FP-684573 | 10 | Position 1-2-3-4-5-6; To Ser. No. 439618; Narrow |
| 38 | 6 | Plain Main Brg. | 93-75 | FP-687391 | 20 | Position 1-2-3-4-5-6; To Ser. No. 439618; Narrow |
| 38 | 6 | Plain Main Brg. | 93-75 | FP-684576 | 30 | Position 1-2-3-4-5-6; To Ser. No. 439618; Narrow |
| 39 | 1 | Flanged Main Brg. | 97-94 | FP-1822379 | STD | Position 7; DT466P (NGD) Engs. |
| 39 | 1 | Flanged Main Brg. | 97-94 | FP-1822494 | 10 | Position 7; DT466P (NGD) Engs. |
| 39 | 1 | Flanged Main Brg. | 97-94 | FP-1822495 | 20 | Position 7; DT466P (NGD) Engs. |
| 39 | 1 | Flanged Main Brg. | 97-94 | FP-1822496 | 30 | Position 7; DT466P (NGD) Engs. |
| 39 | 1 | Flanged Main Brg. | 93-75 | FP-684579 | STD | Position 7 |
| 39 | 1 | Flanged Main Brg. | 93-75 | FP-684582 | 10 | Position 7 |
| 39 | 1 | Flanged Main Brg. | 93-75 | FP-687394 | 20 | Position 7 |
| 39 | 1 | Flanged Main Brg. | 93-75 | FP-684585 | 30 | Position 7 |
| REF # | QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 20 | 2 | O-Ring | 93-75 | FP-675860 | | Oil pump housing |
| 31 | 1 | Oil Inlet Elbow Gasket | 93-75 | FP-1802867 | | From Ser. No. 488776 |
| 31 | 1 | Oil Inlet Elbow Gasket | 93-75 | FP-671821 | | To Ser. No. 488775 |

(continued on next page)

44 *M/D Truck* DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs. *H/D Truck* DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs.
7.6L 466 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1975-97

CYLINDER COMPONENTS



| REF # | QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------------------|-------|---------------------|------|--|
| 1 | 6 | Piston & Liner Kit w/o Rings | 93-78 | FP-1817339 | | DT466, DTA466, DT466C, DTA466C, DINA To Ser. No. 645484; 16.5:1 C.R. |
| 1 | 6 | Piston & Liner Kit w/o Rings | 93-78 | FP-1817646 | | DT466B & DT466C From Ser. No. 76441 through 594840; DT466, DTA466, DT466C, DTA466C From Ser. No. 618496; Exc. NAP & NAR; 16.5:1 C.R. |
| 1 | 6 | Piston & Liner Kit w/o Rings | 93-78 | FP-18025814R | | DT466B, DTA466B, DTI466B, DT466C, DTA466C, DTI466C From Ser. No. 76441 through 532980; 4 ring applications; 16.3:1 C.R. |
| 1 | 6 | Piston & Liner Kit w/o Rings | 78-75 | FP-1802580 | | To Ser. No. 76440; 15.2:1 C.R. |
| 2 | 6 | Liner w/o Sealing Ring | 97-94 | FP-1815674 | | DT466P (NGD) Engs. |
| 2 | 6 | Liner w/o Sealing Ring | 93-75 | FP-1810504 | | |
| 2A | 6 | Liner w/Sealing Rings | 93-75 | FP-1810504WS | | |
| 3 | 6 | Cylinder Kit Complete | 97-94 | FP-1824823 | STD | DT466P (NGD) Engs.; From Ser. No. 888341 to 933833; 1 Keystone ring; Barrel skirt; Bowl Dia. 2.540" |
| 3 | 6 | Cylinder Kit Complete | 97-94 | FP-1824820 | STD | DT466P (NGD) Engs.; From Ser. No. 888341; 2 Keystone rings; Barrel skirt; Bowl Dia. 2.580" |
| 3 | 6 | Cylinder Kit Complete | 97-94 | FP-1822340 | STD | DT466P (NGD) Engs.; To Ser. No. 888340; 2 Keystone rings; Tapered skirt; Bowl Dia. 2.519" |
| 3 | 6 | Cylinder Kit Complete | 93-78 | FP-1817189 | | DT466, DTA466, DT466C, DTA466C, DINA To Ser. No. 645484; 16.5:1 C.R. |

(continued on next page)

M/D Truck DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 44 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C (cont.)
From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs. H/D Truck DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs.
7.6L 466 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1975-97

CYLINDER COMPONENTS (cont.)

| REF # | QTY | LINERS (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------------------|-------|--------------|------|---|
| 3 | 6 | Cylinder Kit Complete | 93-78 | FP-1817645 | | DT466B & DT466C From Ser. No. 76441 through 594840; DT466, DTA466, DT466C, DTA466C From Ser. No. 618496 Exc. NAP & NAR; 16.5:1 C.R. |
| 3 | 6 | Cylinder Kit Complete | 93-78 | FP-18103594R | STD | DT466B, DTA466B, DTI466B, DT466C, DTA466C, DTI466C From Ser. No. 76441 through 532980; 4 ring piston applications; 16.3:1 C.R. |
| 3 | 6 | Cylinder Kit Complete | 78-75 | FP-687432 | STD | To Ser. No. 76440; for Engs. equipped with side mounted breather. Purchase ring set FP-1810358 for Engs. w/valve cover mounted breather; 15.2:1 C.R. |
| 4 | 6 | Cyl. Liner Sealing Ring Kit | 97-94 | FP-1822322 | | DT466P (NGD) Engs. |
| 4 | 6 | Cyl. Liner Sealing Ring Kit | 93-75 | FP-680086 | | |
| 4 | 18 | Sealing Ring, Liner | 93-75 | FP-675774 | | |
| | 1 | Flange Shim | 93-75 | FP-671505 | 2 | |
| | 1 | Flange Shim | 93-75 | FP-671506 | 4 | |
| | 1 | Flange Shim | 93-75 | FP-684930 | 10 | |
| | 1 | Flange Shim | 93-75 | FP-684931 | 20 | |
| REF # | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 13 | 6 | Piston Body w/o Pin | 97-95 | FP-1824810 | STD | DT466P (NGD) Engs.; From Ser. No. 888341; 1 Keystone ring; Barrel skirt; Bowl Dia. 2.540" |
| 13 | 6 | Piston Body w/o Pin | 97-95 | FP-1823930 | STD | DT466P (NGD) Engs.; From Ser. No. 888341; 2 Keystone rings; Barrel skirt; Bowl Dia. 2.580" |
| 13 | 6 | Piston Body w/o Pin | 94-93 | FP-1822097 | STD | DT466P (NGD) Engs.; To Ser. No. 888340; 2 Keystone rings; Tapered skirt; Bowl Dia. 2.519" |
| 13 | 6 | Piston Body w/o Pin | 93-78 | FP-1817520 | | DT466 To. Ser. No. 74999; Use w/FP-1817247 ring set |
| 13 | 6 | Piston Body w/o Pin | 93-78 | FP-1817188 | | DT466, DTA466, DT466C, DTA466C, DINA To Ser. No. 645484; 16.5:1 C.R. |
| 13 | 6 | Piston Body w/o Pin | 93-78 | FP-18096834R | | DT466B & DTI466B Engs. From Ser. No. 76440 to 439617. DT466C & DTI466C Engs. From Ser. No. 439618 to 532980 DTA466C Engs. To Ser. No. 532980. 4-ring replacement piston (Can replace 3-ring original piston in sets) |
| 13 | 6 | Piston Body w/o Pin | 78-75 | FP-684255 | | To Ser. No. 76440; 15.2:1 C.R. |
| 14 | 6 | Piston Kit w/Pin & Retainers | 97-95 | FP-1824810WP | | DT466P (NGD) Engs.; From Ser. No. 888341; 1 Keystone ring |
| 14 | 6 | Piston Kit w/Pin & Retainers | 94-93 | FP-1822097WP | | DT466P (NGD) Engs.; To Ser. No. 888340 |
| 14 | 6 | Piston Kit w/Pin & Retainers | 93-78 | FP-1817520WP | | DT466 To. Ser. No. 74999; Use w/FP-1817247 ring set |
| 14 | 6 | Piston Kit w/Pin & Retainers | 93-78 | FP-1817188WP | | DT466B & DTI466B Engs. From Ser. No. 76440 to 439617. DT466C & DTI466C Engs. From Ser. No. 439618 to 532980 DTA466C Engs. To Ser. No. 532980. 4-ring replacement piston (Can replace 3-ring original piston in sets); 16.5:1 C.R. |
| 14 | 6 | Piston Kit w/Pin & Retainers | 78-75 | FP-684255WP | | To Ser. No. 76440; 15.2:1 C.R. |
| 19 | 6 | Pin | 97-94 | FP-1818552 | | DT466P (NGD) Engs. |
| 19 | 6 | Pin | 93-75 | FP-670675 | | |
| 11 | 12 | Piston Pin Retainer | 97-94 | FP-1818702 | | DT466P (NGD) Engs. |
| 11 | 12 | Piston Pin Retainer | 93-75 | FP-326874 | | |
| 29 | 6 | Pin Bushing | 97-94 | FP-1818598 | | DT466P (NGD) Engs. |
| 29 | 6 | Pin Bushing | 93-78 | FP-675006 | | |
| REF # | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 23 | 12 | Con. Rod Bolt | 93-85 | FP-676679 | | Exc. DT466P (NGD) Engs. |
| 27 | 6 | Rod Pair | 97-94 | FP-1822389 | STD | DT466P (NGD) Engs. |
| 27 | 6 | Rod Pair | 97-94 | FP-1822486 | 10 | DT466P (NGD) Engs. |
| 27 | 6 | Rod Pair | 97-94 | FP-1822487 | 20 | DT466P (NGD) Engs. |
| 27 | 6 | Rod Pair | 93-85 | FP-1808059 | STD | From Ser. No. 439619; Wide |
| 27 | 6 | Rod Pair | 93-85 | FP-1808060 | 10 | From Ser. No. 439619; Wide |
| 27 | 6 | Rod Pair | 93-85 | FP-1808061 | 20 | From Ser. No. 439619; Wide |
| 27 | 6 | Rod Pair | 93-85 | FP-1808062 | 30 | From Ser. No. 439619; Wide |
| 27 | 6 | Rod Pair | 84-75 | FP-681314 | STD | To Ser. No. 439618; Narrow |
| 27 | 6 | Rod Pair | 84-75 | FP-681315 | 10 | To Ser. No. 439618; Narrow |
| 27 | 6 | Rod Pair | 84-75 | FP-687382 | 20 | To Ser. No. 439618; Narrow |
| 27 | 6 | Rod Pair | 84-75 | FP-681316 | 30 | To Ser. No. 439618; Narrow |

(continued on next page)

44 *M/D Truck* DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs. *H/D Truck* DT466 To Ser. No. 76439, DT466A To Ser. No. 76439, DT466B To Ser. No. 439617, DT466C To Ser. No. 594840, DTA466 From Ser. No. 594841 to 669279, DTA466C From Ser. No. 439618 to 594840, DTI466B To Ser. No. 439617, DTI466C To Ser. No. 439617, DT466P (NGD) Engs.
7.6L 466 OHV Turbo-Diesel L6 (12 Valve), 4.3005" Bore 1975-97

CYLINDER COMPONENTS (cont.)

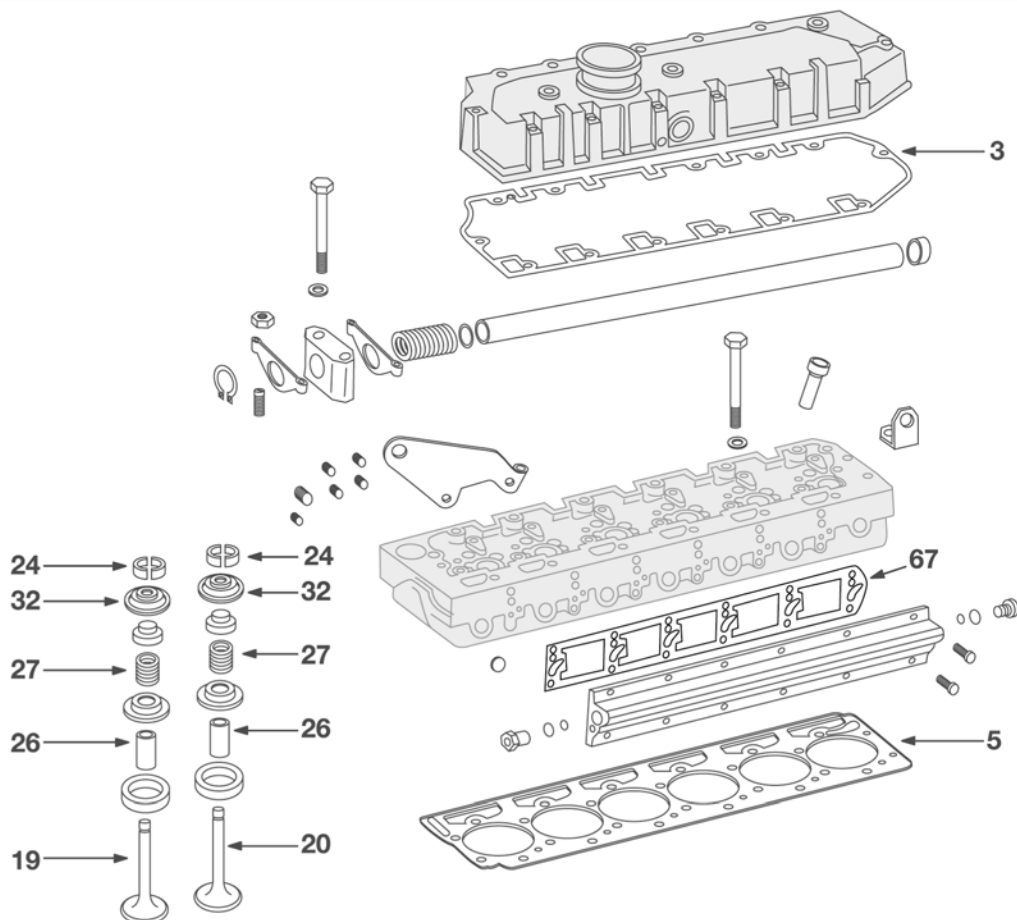
| REF # | QTY | CONNECTING RODS & BRGS. (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|---------------------------------|-------|-------------------|------|--|
| 27 | 6 | Rod Pair | 84-75 | FP-68131440 | 40 | To Ser. No. 439618; Narrow |
| REF # | QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 33 | 6 | Ring Set Single Cylinder | 97-94 | FP-1825461 | | DT466P (NGD) Engs.; From Ser. No. 888341 |
| 33 | 6 | Ring Set Single Cylinder | 97-94 | FP-1817247 | | DT466P (NGD) Engs.; To Ser. No. 888340 |
| 33 | 6 | Ring Set Single Cylinder | 93-75 | FP-684256 | STD | Engs. w/side mounted breather; 2-1/8, 1-1/4; Incl. narrow gap intermediate rings |
| 33 | 6 | Ring Set Single Cylinder | 93-75 | FP-18103584R | | For 4-Ring pistons only |
| 33 | 6 | Ring Set Single Cylinder | 93-75 | FP-1817247 | | From Ser. No. 618496; Exc. Ser. No. 618498 & 618499 |
| 33 | 6 | Ring Set Single Cylinder | 93-75 | FP-1810358 | | To Ser. No. 618495, Ser. No. 618498 & 618499; Incl. wide gap intermediate rings |
| | 1 | Premium Set | 97-75 | FP-684256S | STD | Engs. w/side mounted breather; 2-1/8, 1-1/4; Incl. narrow gap intermediate rings |
| | 1 | Premium Set | 93-75 | FP-684065S | STD | Check piston grooving before supplying ring sets; 1-1/8, 1-3/32, 1-1/4 |
| | 6 | Premium Single Cylinder Set | 93-75 | W-9618KX Std Only | | Check piston grooving before supplying ring set; 2-1/8, 1-1/4 |
| | 6 | Premium Single Cylinder Set | 93-75 | W-9520KX Std Only | | Check piston grooving before supplying ring sets; 1-1/8, 1-3/32, 1-1/4 |

KITS

| | QTY | OVERHAUL KIT | YEARS | PART NO. | SIZE | DESCRIPTION |
|--|-----|-----------------------|-------|-----------------|------|--------------------------------|
| | 1 | In-Frame Overhaul Kit | 97-94 | FP-IFKDT466PNGD | | From Ser. No. 850654 to 933833 |
| | 1 | In-Frame Overhaul Kit | 93-75 | FP-IFKDT466 | | |
| | 1 | In-Frame Overhaul Kit | 93-75 | FP-IFKDT4664R | | Incl. 4-Ring pistons |
| | 1 | Complete Overhaul Kit | 93-75 | FP-IFKDT466OH | | |
| | 1 | Complete Overhaul Kit | 93-75 | FP-IFKDT4664ROH | | Incl. 4-Ring pistons |

M/D Truck DT466E Eng. H/D Truck DT466E Eng. **45**
7.6L 466 OHV Turbo-Diesel L6 (Intercooled), 4.3005" Bore 1993-2004

CYL. HEAD & PARTS



| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------------|-------|------------|------|---|
| 3 | 1 | Valve Cover Gasket Set | 04-93 | FP-1825602 | | Incl. valve cover gasket & O-Ring |
| 5 | 1 | Head Gasket | 99-93 | FP-1817562 | | |
| | 1 | Head Set | 04-00 | FP-1830720 | | Eng. Ser. No. 1194038-2000000 |
| | 1 | Head Set | 99-93 | FP-1824970 | | Eng. Ser. No. 980820-1194038 |
| 67 | 1 | Fuel Manifold Gasket | 99-93 | FP-1822577 | | Fuel & oil supply |
| REF # | QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 6 | Intake | 04-00 | FP-1842913 | | Eng. Ser. No. 1194038-2000000 |
| 19 | 6 | Intake | 99-93 | FP-1823875 | | Eng. Ser. No. 980820-1194038 |
| 20 | 6 | Exhaust | 04-00 | FP-1842912 | | Eng. Ser. No. 1194038-2000000 |
| 20 | 6 | Exhaust | 99-93 | FP-1824840 | | Eng. Ser. No. 980820-1194038 |
| 24 | 24 | Keeper | 04-93 | FP-1824644 | | 3/8" valve stem |
| REF # | QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 25 | 6 | Exh. | 99-93 | FP-1821903 | STD | Eng. Ser. No. 980820-1194038; 1.8110" OD, 1.5525" ID, .3340" Depth |
| 25 | 6 | Exh. | 99-93 | FP-1821904 | 2 | Eng. Ser. No. 980820-1194038; 1.8130" OD, 1.5525" ID, .3340" Depth |
| 25 | 6 | Exh. | 99-93 | FP-1821905 | 15 | Eng. Ser. No. 980820-1194038; 1.8260" OD, 1.5525" ID, .3340" Depth |
| 25 | 6 | Int. | 99-93 | FP-1821900 | STD | Eng. Ser. No. 980820-1194038; 1.8210" OD, 1.5600" ID, .2740" Depth |
| 25 | 6 | Int. | 99-93 | FP-1821901 | 2 | Eng. Ser. No. 980820-1194038; 1.8230" OD, 1.5600" ID, .2740" Depth |
| 25 | 6 | Int. | 99-93 | FP-1821902 | 15 | Eng. Ser. No. 980820-1194038; 1.8360" OD, 1.5600" ID, .2740" Depth |
| REF # | QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 26 | 12 | Guide | 04-93 | FP-1824647 | | Exh. & Int.; .375" ID, .6262" OD, 2.61" O.A.L. |
| 26 | 12 | Guide | 04-93 | FP-1824646 | | Exh. & Int.; From Ser. No. 956464; .375" ID, .6262" OD, 2.39" O.A.L.; .3750" ID, 2.3900" O.A.L. |

(continued on next page)

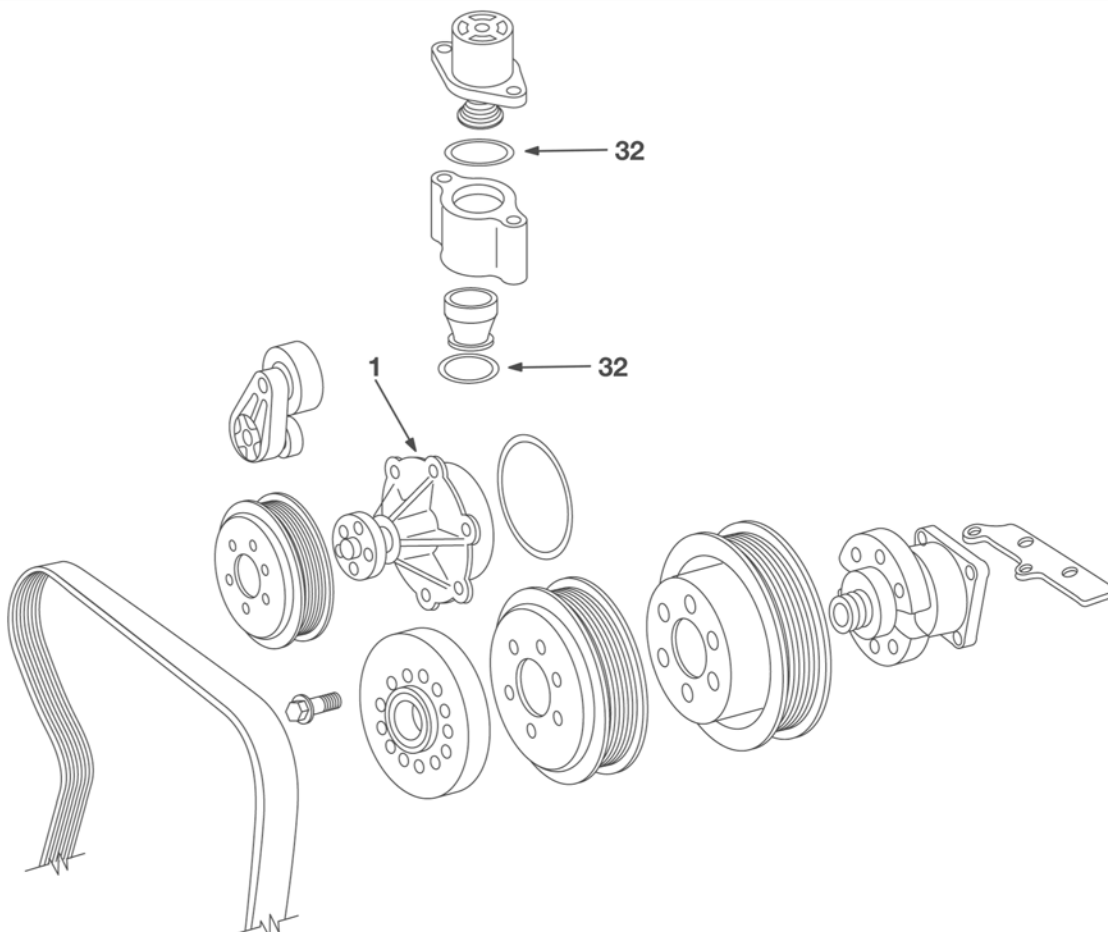
45 M/D Truck DT466E Eng. H/D Truck DT466E Eng. (cont.) 7.6L 466 OHV Turbo-Diesel L6 (Intercooled), 4.3005" Bore 1993-2004

| CYL. HEAD & PARTS (cont.) | | | | | | |
|---------------------------|-----|-------------------------------|-------|------------|------|---|
| REF # | QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 6 | Spring | 04-93 | FP-1825540 | | Exh. |
| 27 | 6 | Spring | 04-93 | FP-677349 | | Int. |
| REF # | QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 32 | 12 | Rotocap | 04-93 | FP-1824680 | | Exh. & Int.; From Ser. No. 956464; Valve stem seal incl. |
| | 12 | Valve Rotator Seal | 04-93 | FP-1824683 | | Exh. & Int.; From Ser. No. 956464 |
| REF # | QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 41 | 12 | Valve Stem Seal | 04-93 | FP-1823925 | | Exh. & Int.; Use w/Valve Rotator; Positive; Viton® |
| CAMSHAFT GROUP | | | | | | |
| | | | | | | |
| REF # | QTY | CAMSHAFT TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 42 | 1 | Woodruff Key | 99-93 | FP-218211 | | Cam gear; 1/4" x 3/4" |
| REF # | QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 54 | 12 | Lifter | 04-93 | FP-1809570 | | Roller type |
| FUEL SYSTEM & PARTS | | | | | | |
| | QTY | FUEL INJECTION | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 6 | Fuel Injector Sleeve | 04-00 | FP-1833382 | | Eng. Ser. No. 1194038-2000000 |
| | 6 | Fuel Injector Sleeve | 99-93 | FP-1818778 | | Eng. Ser. No. 980820-1194038 |
| | 6 | Fuel Injector Repair Kit | 99-93 | FP-1833564 | | Incl. all seals to repair/replace Fuel Injector |
| | QTY | TURBOCHARGER | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Turbocharger Oil Inlet Gasket | 04-93 | FP-253660 | | |
| | 1 | Turbocharger Mounting Gasket | 99-93 | FP-1822120 | | |
| | 1 | O-Ring | 99-93 | FP-1824908 | | CMP Transducer; 1.443" O.D., 1.237" I.D., .103" cross section |

(continued on next page)

M/D Truck DT466E Eng. H/D Truck DT466E Eng. **45**
 7.6L 466 OHV Turbo-Diesel L6 (Intercooled), 4.3005" Bore 1993-2004 (cont.)

COOLING SYSTEM

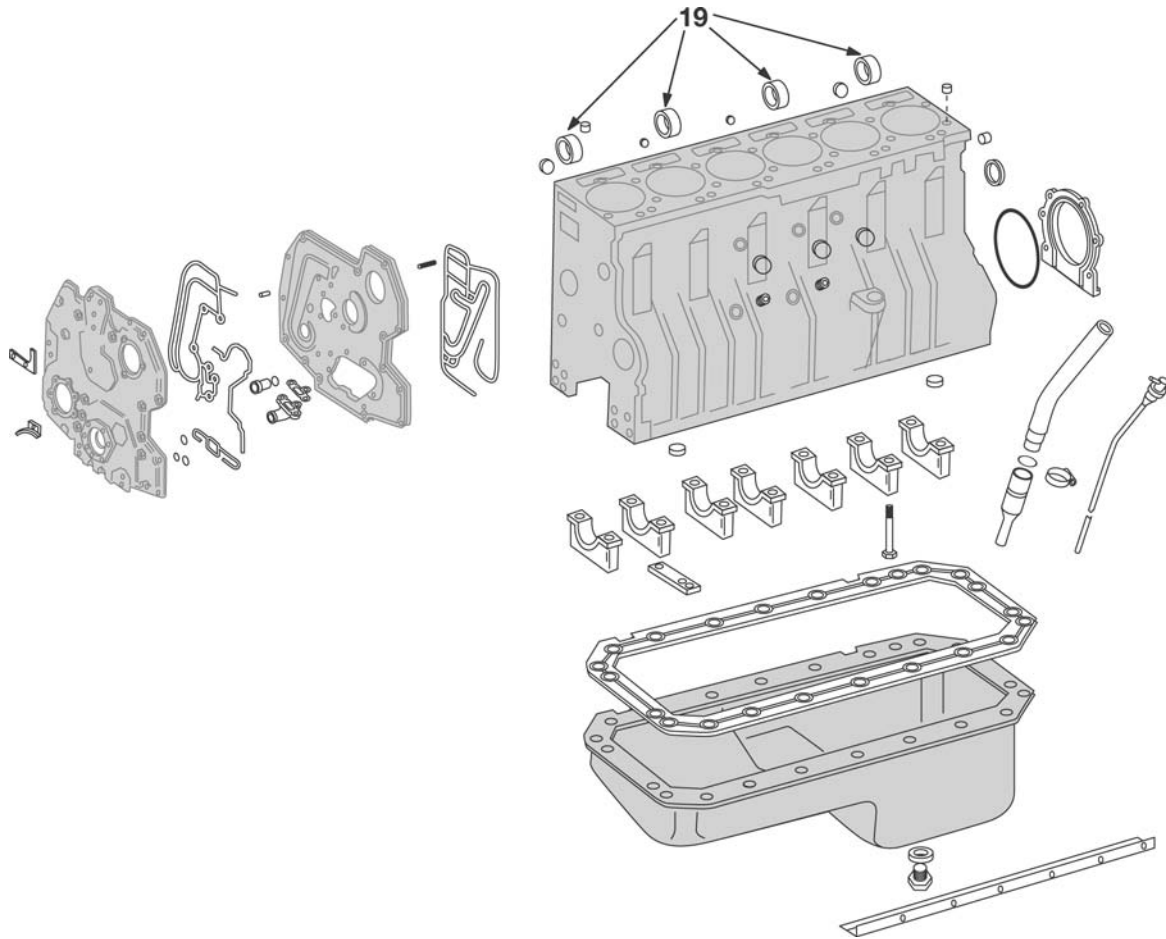


| REF # | QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------|-------|------------|------|-------------------------------------|
| 1 | 1 | Water Pump - Heavy Duty | 99-93 | FP-1817687 | | w/7 bolt mounting flange |
| REF # | QTY | MISCELLANEOUS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 32 | 2 | O-Ring | 02-93 | FP-1836075 | | Thermostat & Bypass Housing O-Rings |

(continued on next page)

45 M/D Truck DT466E Eng. H/D Truck DT466E Eng.
(cont.) 7.6L 466 OHV Turbo-Diesel L6 (Intercooled), 4.3005" Bore 1993-2004

ENGINE BLOCK & PARTS

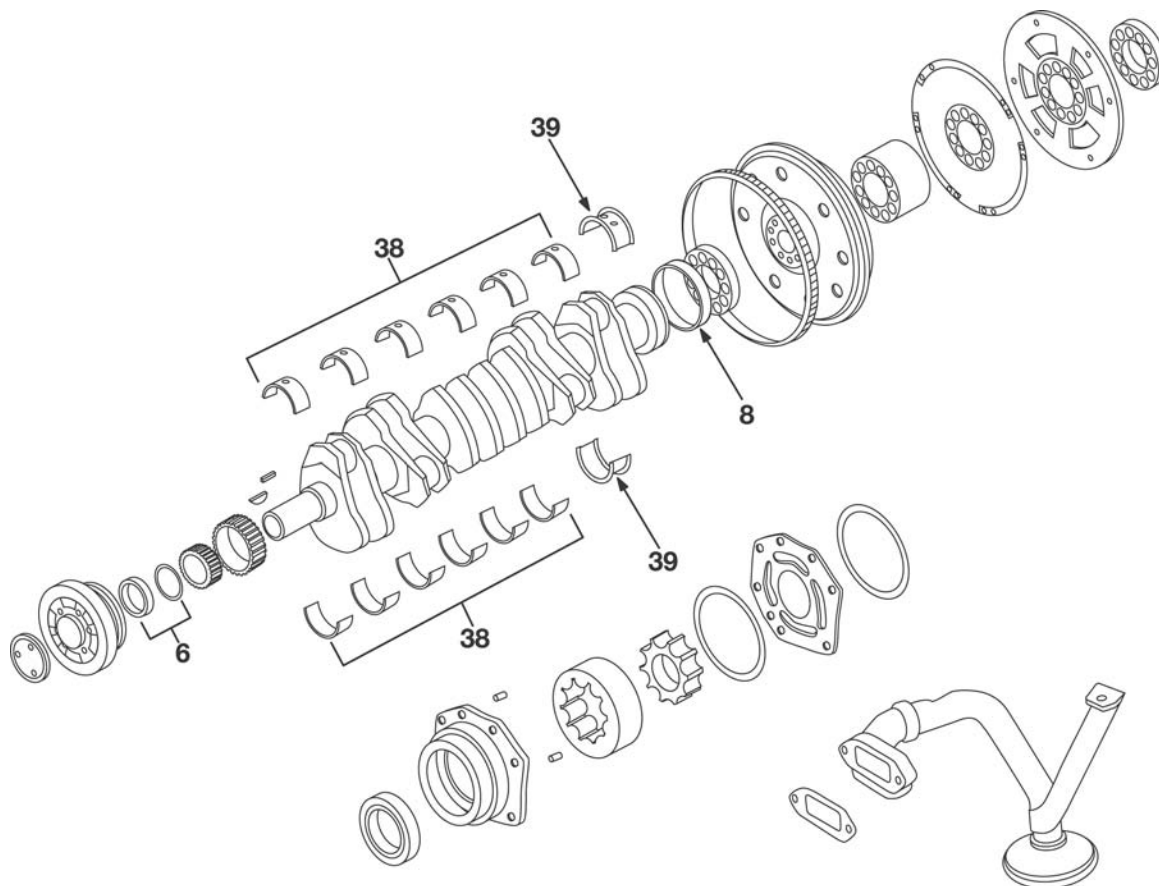


| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-----------------------|-------|--------------|------|-------------------------|
| 5 | 1 | Oil Pan Gasket | 02-93 | FP-1826587 | | |
| REF # | QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | 1 | In-Frame Gasket Set | 02-93 | FP-PGN466EIF | | |
| REF # | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 1 | Cam Set | 99-93 | FP-680117 | STD | |
| REF # | QTY | OIL COOLERS & FILTERS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | 1 | O-Ring | 99-93 | FP-1822708 | | Filter head check valve |

(continued on next page)

M/D Truck DT466E Eng. H/D Truck DT466E Eng. **45**
 7.6L 466 OHV Turbo-Diesel L6 (Intercooled), 4.3005" Bore 1993-2004 (cont.)

CRANKSHAFT/OIL PUMP

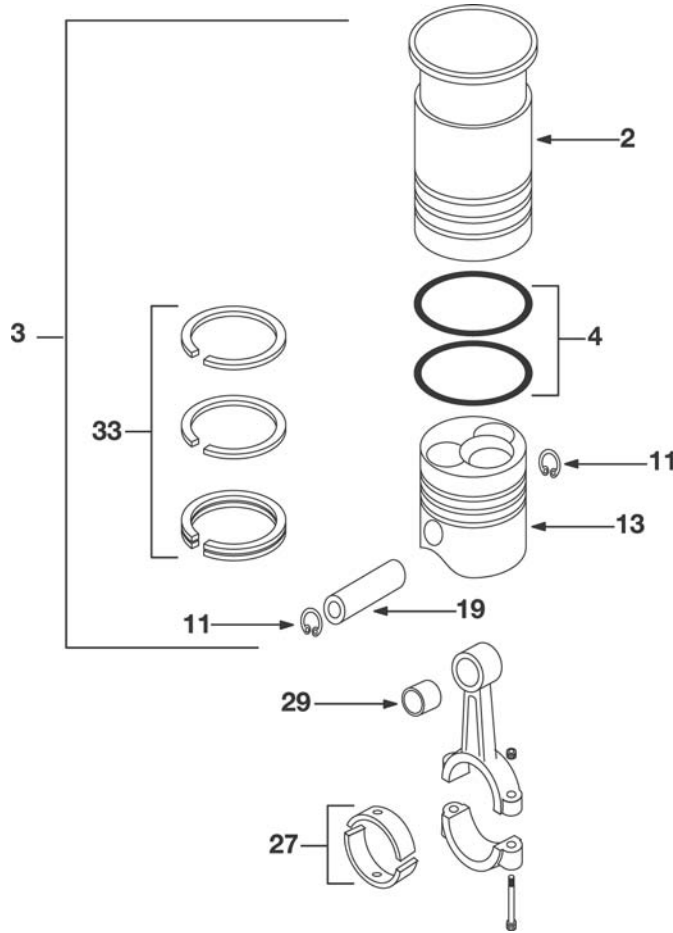


| REF # | QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|---------------------|-------|------------|------|-------------------------------------|
| 6 | 1 | Oil Seal Kit | 99-93 | FP-690437 | | Incl. seal & wear sleeve |
| REF # | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | 1 | Oil Seal Kit | 99-93 | FP-1817867 | | Incl. seal & wear sleeve |
| REF # | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 38 | 6 | Plain Main Brg. | 99-93 | FP-1822321 | STD | Position 1-2-3-4-5-6 |
| 38 | 6 | Plain Main Brg. | 99-93 | FP-1822490 | 10 | Position 1-2-3-4-5-6 |
| 38 | 6 | Plain Main Brg. | 99-93 | FP-1822491 | 20 | Position 1-2-3-4-5-6 |
| 38 | 6 | Plain Main Brg. | 99-93 | FP-1822492 | 30 | Position 1-2-3-4-5-6 |
| 39 | 1 | Flanged Main Brg. | 99-93 | FP-1822379 | STD | Position 7 |
| 39 | 1 | Flanged Main Brg. | 99-93 | FP-1822494 | 10 | Position 7 |
| 39 | 1 | Flanged Main Brg. | 99-93 | FP-1822495 | 20 | Position 7 |
| 39 | 1 | Flanged Main Brg. | 99-93 | FP-1822496 | 30 | Position 7 |
| REF # | QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 20 | 1 | O-Ring | 02-93 | FP-1822135 | | Breather Tube |
| | 1 | Oil Pump Gasket | 99-93 | FP-1815898 | | High pressure oil pump flange gskt. |

(continued on next page)

45 *M/D Truck DT466E Eng. H/D Truck DT466E Eng.*
 (cont.) 7.6L 466 OHV Turbo-Diesel L6 (Intercooled), 4.3005" Bore 1993-2004

CYLINDER COMPONENTS



| REF # | QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------------------|-------|---------------------|------|--|
| 1 | 6 | Piston & Liner Kit w/o Rings | 99-93 | FP-1830564 | STD | Eng. Ser. No. 1126949-1194038; w/HEUI Injector, 230 HP High Torque; All 250 HP; 2 Keystone rings |
| 2 | 6 | Liner w/o Sealing Ring | 99-93 | FP-1815674 | | |
| 3 | 6 | Cylinder Kit Complete | 99 | FP-1830565 | STD | Eng. Ser. No. 1126949-1194038; w/HEUI Injector, 230 HP High Torque; All 250 HP; 2 Keystone rings |
| 3 | 6 | Cylinder Kit Complete | 99-95 | FP-1825690 | | Eng. Ser. No. 980820-1194038; w/HEUI Injector, 175 HP to 230 HP Std. Torque; 1 Keystone Ring |
| 3 | 6 | Cylinder Kit Complete | 98-95 | FP-1824966 | | Eng. Ser. No. 1126948 & below; w/HEUI Injector, 210 HP High Torque; All 230 & 250 HP; 2 Keystone rings |
| 4 | 6 | Cyl. Liner Sealing Ring Kit | 99-93 | FP-1822322 | | |
| REF # | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 13 | 6 | Piston Body w/o Pin | 99-93 | FP-1830375 | STD | Eng. Ser. No. 1126949-1194038; w/HEUI Injector, 230 HP High Torque; All 250 HP; 2 Keystone rings |
| 13 | 6 | Piston Body w/o Pin | 99-93 | FP-1825585 | | From Ser. No. 980820 through Ser. No. 1194038; 1 Keystone ring |
| 13 | 6 | Piston Body w/o Pin | 99-93 | FP-1823313 | | To Ser. No. 1126948; 2 Keystone rings |
| 14 | 6 | Piston Kit w/Pin & Retainers | 99-93 | FP-1830375WP | STD | Eng. Ser. No. 1126949-1194038; w/HEUI Injector, 230 HP High Torque; All 250 HP; 2 Keystone rings |
| 14 | 6 | Piston Kit w/Pin & Retainers | 99-93 | FP-1825585WP | | From Ser. No. 980820 through Ser. No. 1194038; 1 Keystone ring |
| 14 | 6 | Piston Kit w/Pin & Retainers | 99-93 | FP-1823313WP | | To Ser. No. 1126948; 2 Keystone rings |
| 19 | 6 | Pin | 99-93 | FP-1818552 | | |
| 11 | 12 | Piston Pin Retainer | 99-93 | FP-1818702 | | |
| 29 | 6 | Pin Bushing | 99-93 | FP-1818598 | | |
| REF # | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 6 | Rod Pair | 99-93 | FP-1822389 | STD | |
| 27 | 6 | Rod Pair | 99-93 | FP-1822486 | 10 | |
| 27 | 6 | Rod Pair | 99-93 | FP-1822487 | 20 | |

(continued on next page)

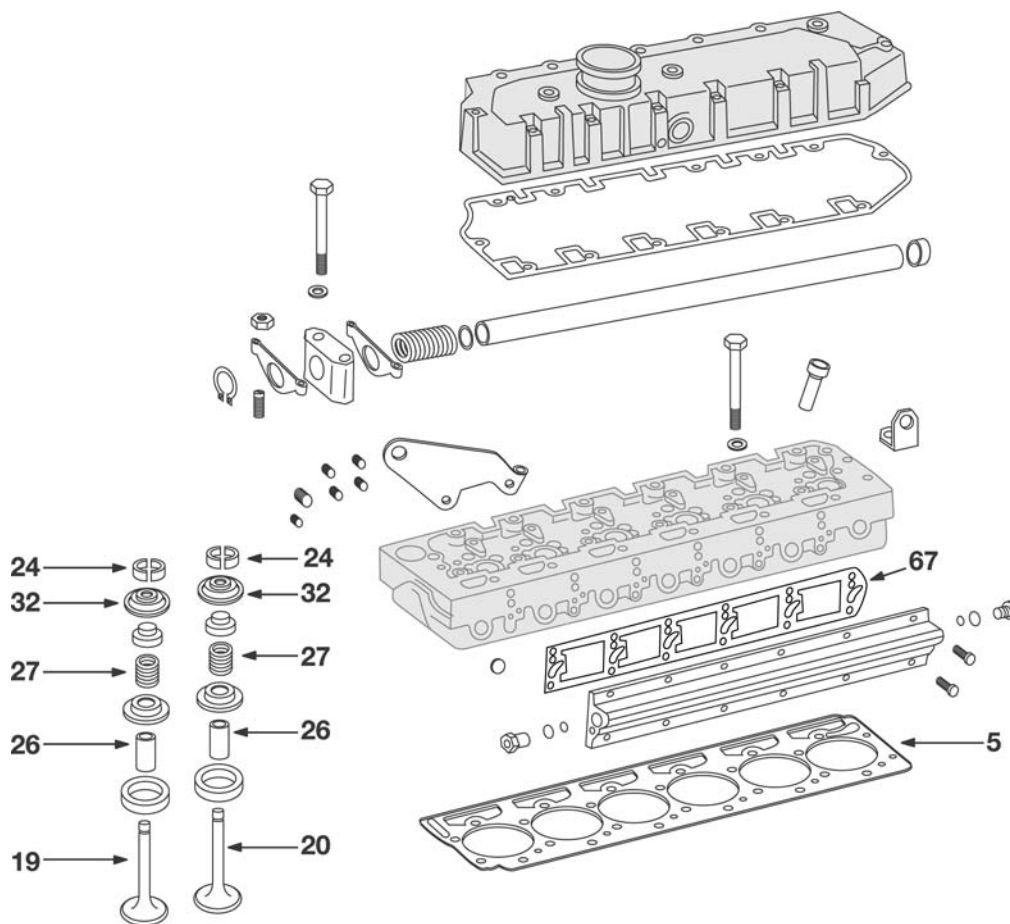
M/D Truck DT466E Eng. H/D Truck DT466E Eng. 45
7.6L 466 OHV Turbo-Diesel L6 (Intercooled), 4.3005" Bore 1993-2004 (cont.)

CYLINDER COMPONENTS (cont.)

| REF # | QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|--------------------------|-------|--------------|------|--|
| 33 | 6 | Ring Set Single Cylinder | 02-93 | FP-1825461 | | From Ser. No. 980820 through Ser. No. 1194038; 1 Keystone ring |
| 33 | 6 | Ring Set Single Cylinder | 02-93 | FP-1817247 | | To Ser. No. 1194038; 2 Keystone rings |
| KITS | | | | | | |
| | QTY | OVERHAUL KIT | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | In-Frame Overhaul Kit | 99-93 | FP-IFKDT466E | | From Ser. No. 933834 to 1194038; Use Cyl. Kit FP-1830565 for 1999 w/HEUI Inj., 230HP Hi Torque, and all w/250HP; S/N 1126949 to 1194038. |

M/D Truck DT466E Eng. H/D Truck DT466E Eng. 46
7.6L 466 OHV Turbo-Diesel L6 (Big Bore), 4.587" Bore 2000-2007

CYL. HEAD & PARTS



| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|----------------------|-------|--------------|------|---|
| 5 | 1 | Head Gasket | 04-00 | FP-1830327 | | |
| | 1 | Head Set | 07-05 | FP-1889247 * | | From 2005 - 5/1/2007; Eng. Ser. No. 2148234 & above |
| | 1 | Head Set | 07-05 | FP-1876103 + | | From 2005 - 5/1/2007; Eng. Ser. No. 2148234 & above; When depleted use FP-1889247 |
| | 1 | Head Set | 07-04 | FP-1842648 * | | From 2/16/2004 - 5/1/2007; Eng. Ser. No. 2000001 & above |
| | 1 | Head Set | 04-00 | FP-1830720 | | From Ser. No. 1194039 to 2000000 |
| 67 | 1 | Fuel Manifold Gasket | 04-00 | FP-1822577 | | Fuel & oil supply |
| REF # | QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 6 | Intake | 04-00 | FP-1823875 | | |
| 20 | 6 | Exhaust | 04-00 | FP-1824840 | | |
| 24 | 24 | Keeper | 04-00 | FP-1824644 | | 3/8" valve stem |
| REF # | QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 26 | 12 | Guide | 04-00 | FP-1824647 | | Exh. & Int.; .375" ID, .6262" OD, 2.61" O.A.L. |

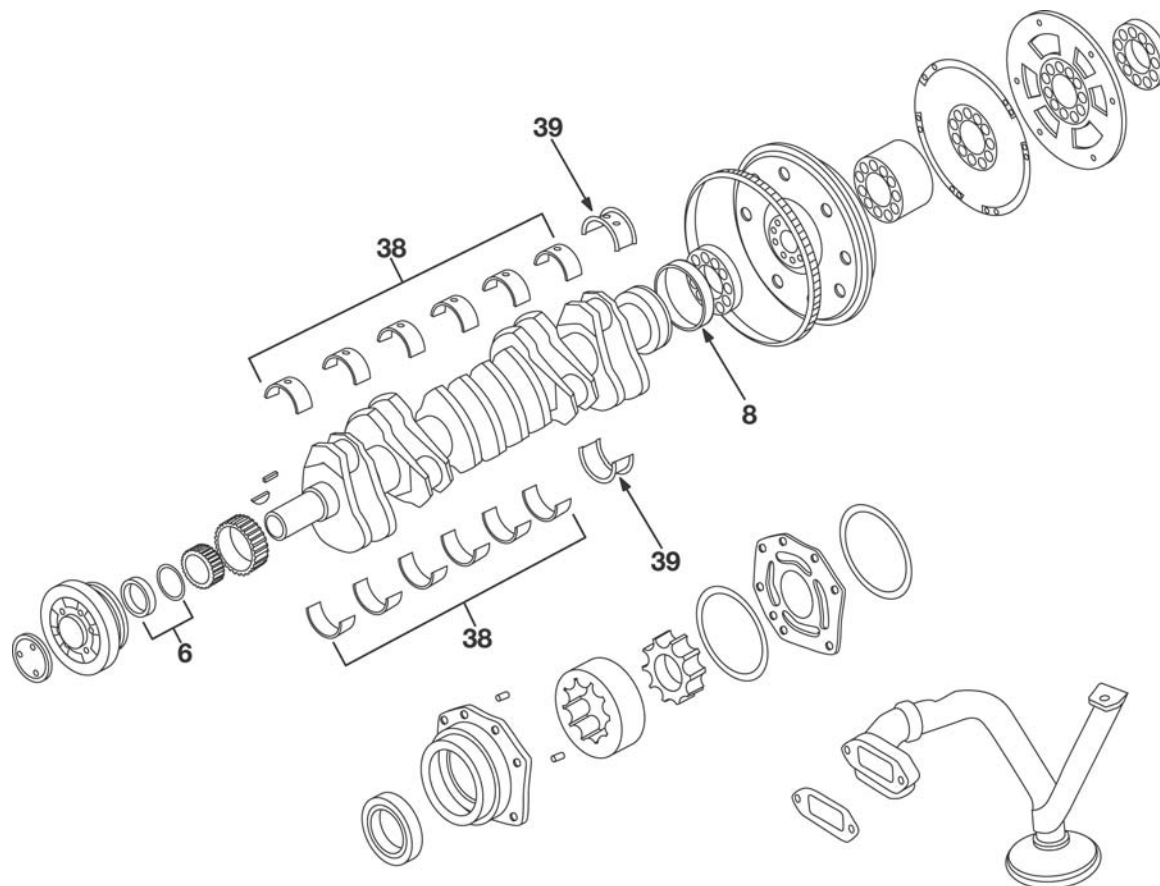
(continued on next page)

| 46 M/D Truck DT466E Eng. H/D Truck DT466E Eng. (cont.) 7.6L 466 OHV Turbo-Diesel L6 (Big Bore), 4.587" Bore 2000-2007 | | | | | |
|--|-----|------------------------------|-------|------------|---|
| CYL. HEAD & PARTS (cont.) | | | | | |
| REF # | QTY | VALVE GUIDE (cont.) | YEARS | PART NO. | SIZE DESCRIPTION |
| 26 | 12 | Guide | 04-00 | FP-1824646 | Exh. & Int.; From Ser. No. 956464; .375" ID, .6262" OD, 2.39" O.A.L.; .3750" ID, 2.3900" O.A.L. |
| REF # | QTY | VALVE SPRING | YEARS | PART NO. | SIZE DESCRIPTION |
| 27 | 6 | Spring | 04-00 | FP-1825540 | Exh. |
| 27 | 6 | Spring | 04-00 | FP-677349 | Int. |
| REF # | QTY | VALVE MISC. | YEARS | PART NO. | SIZE DESCRIPTION |
| 32 | 12 | Rotocap | 04-00 | FP-1824680 | Exh. & Int.; From Ser. No. 956464; Valve stem seal incl. |
| | 12 | Valve Rotator Seal | 04-00 | FP-1824683 | Exh. & Int.; From Ser. No. 956464 |
| FUEL SYSTEM & PARTS | | | | | |
| | QTY | FUEL INJECTION | YEARS | PART NO. | SIZE DESCRIPTION |
| | 6 | Fuel Injector Sleeve | 04-00 | FP-1833382 | |
| | 6 | Fuel Injector Repair Kit | 04-00 | FP-1830742 | Incl. all seals to repair/replace fuel injector |
| | QTY | TURBOCHARGER | YEARS | PART NO. | SIZE DESCRIPTION |
| | 1 | Turbocharger Mounting Gasket | 04-00 | FP-1822120 | |
| COOLING SYSTEM | | | | | |
| | | | | | |
| REF # | QTY | WATER PUMP | YEARS | PART NO. | SIZE DESCRIPTION |
| 1 | 1 | Water Pump - Heavy Duty | 04-00 | FP-1817687 | w/7 bolt mounting flange |
| REF # | QTY | THERMOSTAT | YEARS | PART NO. | SIZE DESCRIPTION |
| 21 | 1 | Thermostat Kit | 04-00 | FP-1830256 | Incl. thermostat & seal |
| REF # | QTY | MISCELLANEOUS | YEARS | PART NO. | SIZE DESCRIPTION |
| 32 | 2 | O-Ring | 04-00 | FP-1836075 | Thermostat & Bypass Housing O-Rings |

(continued on next page)

46 M/D Truck DT466E Eng. H/D Truck DT466E Eng.
(cont.) 7.6L 466 OHV Turbo-Diesel L6 (Big Bore), 4.587" Bore 2000-2007

CRANKSHAFT/OIL PUMP

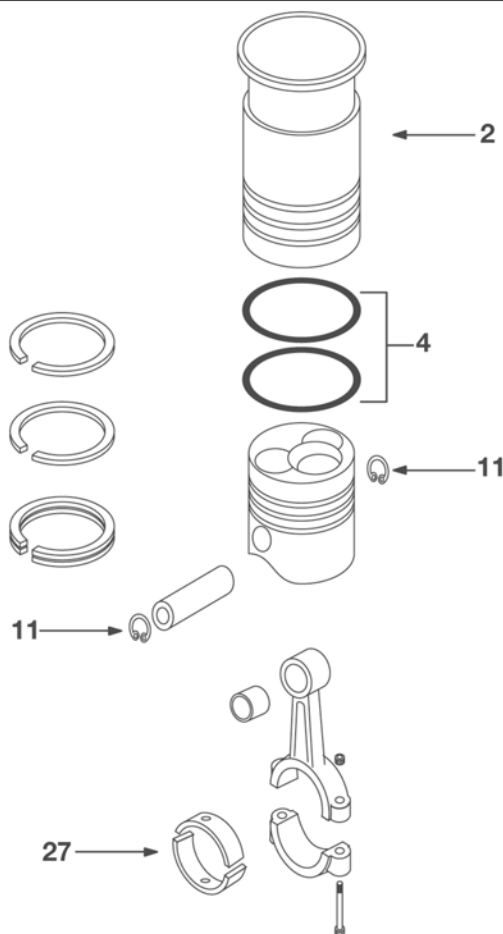


| REF # | QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|---------------------|-------|------------|-------|--------------------------|
| 6 | 1 | Oil Seal Kit | 04-00 | FP-690437 | | Incl. seal & wear sleeve |
| REF # | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | 1 | Oil Seal Kit | 04-00 | FP-1817867 | | Incl. seal & wear sleeve |
| REF # | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 38 | 6 | Plain Main Brg. | 04-00 | FP-1830725 | STD | |
| 38 | 6 | Plain Main Brg. | 04-00 | FP-1833364 | .25MM | |
| 38 | 6 | Plain Main Brg. | 04-00 | FP-1833365 | .50MM | |
| 38 | 6 | Plain Main Brg. | 04-00 | FP-1833366 | .75MM | |
| 39 | 1 | Flanged Main Brg. | 04-00 | FP-1830726 | STD | |
| 39 | 1 | Flanged Main Brg. | 04-00 | FP-1833361 | .25MM | |
| 39 | 1 | Flanged Main Brg. | 04-00 | FP-1833362 | .50MM | |
| 39 | 1 | Flanged Main Brg. | 04-00 | FP-1833363 | .75MM | |

(continued on next page)

M/D Truck DT466E Eng. H/D Truck DT466E Eng. **46**
7.6L 466 OHV Turbo-Diesel L6 (Big Bore), 4.587" Bore 2000-2007 (cont.)

CYLINDER COMPONENTS



| REF # | QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-----------------------------|-------|--------------|------|--|
| 2 | 6 | Liner w/o Sealing Ring | 07-00 | FP-1841326 | STD | |
| 3 | 6 | Cylinder Kit Complete | 07-05 | FP-1850403 * | STD | To 5/1/2007, Eng. Ser. No. 2046901 & above; High HP Eng. |
| 3 | 6 | Cylinder Kit Complete | 07-05 | FP-1850401 * | STD | To 5/1/2007, Eng. Ser. No. 2046902 & above; 215 HP & below |
| 3 | 6 | Cylinder Kit Complete | 07-05 | FP-1876101 * | STD | To 5/1/2007, Eng. Ser. No. 2148234 & above; 245 HP & above |
| 3 | 6 | Cylinder Kit Complete | 07-05 | FP-1876100 * | STD | To 5/1/2007, Eng. Ser. No. 2148234 & above; 245 HP & below |
| 3 | 6 | Cylinder Kit Complete | 04-00 | FP-1836299 | STD | Eng. Ser. No. 1194039 & above; w/HEUI Injector, All 230 HP & 250 HP Eng. |
| 3 | 6 | Cylinder Kit Complete | 04-00 | FP-1836192 | STD | Eng. Ser. No. 1194039 & above; w/HEUI Injector, 215 HP & below, High Torque |
| 3 | 6 | Cylinder Kit Complete | 04-00 | FP-1842556 | STD | Eng. Ser. No. 2000000 & above |
| 3 | 6 | Cylinder Kit Complete | 04-00 | FP-1842554 | STD | Eng. Ser. No. 2000001-2076442; 210-225 HP; Big Bore Engines, 225 HP and below. |
| 3 | 6 | Cylinder Kit Complete | 04-00 | FP-1842555 | STD | Eng. Ser. No. 2000001-2076442; 245-300 HP |
| 4 | 6 | Cyl. Liner Sealing Ring Kit | 04-00 | FP-1822322 | | |
| REF # | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 13 | 6 | Piston Body w/o Pin | 04-00 | FP-1833092 | STD | Eng. Ser. No. 1194039 & above; w/HEUI Injector, All 230 HP & 250 HP Eng. |
| 13 | 6 | Piston Body w/o Pin | 04-00 | FP-1836321 | STD | Eng. Ser. No. 1194039 & above; w/HEUI Injector, 215 HP & below, High Torque |
| 13 | 6 | Piston Body w/o Pin | 04-00 | FP-1842227 | STD | Eng. Ser. No. 2000001-2076442; 210-225 HP |
| 13 | 6 | Piston Body w/o Pin | 04-00 | FP-1842622 | STD | Eng. Ser. No. 2000001-2076442; 245-300 HP |
| 19 | 6 | Pin | 04-00 | FP-1830060 | | |
| 11 | 12 | Piston Pin Retainer | 04-00 | FP-1818702 | | |

(continued on next page)

46 M/D Truck DT466E Eng. H/D Truck DT466E Eng. (cont.) 7.6L 466 OHV Turbo-Diesel L6 (Big Bore), 4.587" Bore 2000-2007

| CYLINDER COMPONENTS (cont.) | | | | | |
|---|-----|--------------------------|-------|----------------|---|
| REF # | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE DESCRIPTION |
| 27 | 6 | Rod Pair | 04-00 | FP-1842570 | STD Eng. Ser. No. 1194039 & above |
| REF # | QTY | PISTON RINGS | YEARS | PART NO. | SIZE DESCRIPTION |
| 33 | 6 | Ring Set Single Cylinder | 07-05 | FP-1850402 * | To 5/1/2007, Eng. Ser. No. 2046901 & above; High HP Eng. |
| 33 | 6 | Ring Set Single Cylinder | 05-04 | FP-1830724 | STD Eng. Ser. No. 2000001-2076442; 210-225 HP; 245-300 HP; From 2/16/2004-2005 |
| 33 | 6 | Ring Set Single Cylinder | 04-00 | FP-1830723 | STD Eng. Ser. No. 1194039 & above; w/HEUI Injector, All 230 HP & 250 HP Eng.; Use w/FP-1833092 Piston Body |
| 33 | 6 | Ring Set Single Cylinder | 04-00 | FP-1836193 | STD Eng. Ser. No. 1194039 & above; w/HEUI Injector, 215 HP & below, High Torque; Use w/FP-1836321 Piston Body |
| 33 | 6 | Ring Set Single Cylinder | 04-00 | FP-1842551 * | Eng. Ser. No. 2000000 & above |
| 33 | 6 | Ring Set Single Cylinder | 04-00 | FP-1842549 | Eng. Ser. No. 2000001-2076442; 210-225 HP; Use w/FP-1842227 Piston Body |
| 33 | 6 | Ring Set Single Cylinder | 04-00 | FP-1842550 | STD Eng. Ser. No. 2000001-2076442; 245-300 HP |
| KITS | | | | | |
| | QTY | OVERHAUL KIT | YEARS | PART NO. | SIZE DESCRIPTION |
| | 1 | In-Frame Overhaul Kit | 04-00 | FP-IFKDT466EBB | Eng. Ser. No. 1194039-2000000 |
| | 1 | In-Frame Overhaul Kit | 04-00 | FP-1836300 | Equal to IH/Navistar "Works Kit"; Eng. Ser. No. 1194039 & above; w/HEUI Injector, All 230 HP & 250 HP Eng. |
| | 1 | In-Frame Overhaul Kit | 04-00 | FP-1836195 | Equal to IH/Navistar "Works Kit"; Eng. Ser. No. 1194039 & above; w/HEUI Injector, 215 HP & below, High Torque |
| 47 H/D Truck V478, VS478 Engs. 7.8L 478 OHV V8 (16 Valve), 4.5" Bore 1965-76 | | | | | |
| CYL. HEAD & PARTS | | | | | |
| | QTY | VALVE | YEARS | PART NO. | SIZE DESCRIPTION |
| | 32 | Keeper | 73-65 | VK-140 | |
| | QTY | VALVE SEAT | YEARS | PART NO. | SIZE DESCRIPTION |
| | 8 | Int. | 73-65 | 245-2250-1 | Std Only Machine ID to fit; 2.2555" OD, 1.9375" ID, .1855" Depth |
| | QTY | VALVE SPRING | YEARS | PART NO. | SIZE DESCRIPTION |
| | 16 | Spring | 73-65 | FP-317365 | Late Eng.; Incl. damper; 2.0500" Free Height |
| | QTY | VALVE MISC. | YEARS | PART NO. | SIZE DESCRIPTION |
| | 8 | Rotocap Assy. | 73-65 | FP-RC126SA | Exh.; Late Eng.; Incl. Rotocap & Valve Spring |
| | 8 | Rotocap | 73-65 | FP-443128 | Exh.; Late Eng. |
| | QTY | VALVE SEAL | YEARS | PART NO. | SIZE DESCRIPTION |
| | 16 | Valve Stem Seal | 73-65 | ST-2007 | Positive type; Rubber |
| | 16 | O-Ring | 73-65 | FP-111024 | Rubber |
| | 16 | Valve Stem Seal | 73-65 | MV-1551 | Late Eng.; O-Ring; Carton of 50; Rubber |
| | 16 | Valve Stem Seal Bulk | 73-65 | FP-111024B | O-Ring; Carton of 100; Rubber |
| CAMSHAFT GROUP | | | | | |
| | QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE DESCRIPTION |
| | 1 | Camshaft | 73-65 | CS-218 | |
| | 1 | Prelube | 73-65 | 55-400 | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |
| ENGINE BLOCK & PARTS | | | | | |
| | QTY | GASKETS | YEARS | PART NO. | SIZE DESCRIPTION |
| | 1 | Oil Pan Gasket | 76-65 | FP-448428 | |
| | QTY | GASKET SETS | YEARS | PART NO. | SIZE DESCRIPTION |
| | 1 | Kit Gasket Set | 76-65 | 260-1115 | Note: head gskt. requires retorque; Valve stem seals from Ser. No. 139494 not incl. |
| | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE DESCRIPTION |
| | 1 | Cam Set | 76-65 | FP-448139 | STD |
| CYLINDER COMPONENTS | | | | | |
| | QTY | PISTONS | YEARS | PART NO. | SIZE DESCRIPTION |
| | 8 | Pin Bushing | 76-65 | 2199Y20 | |

M/D Truck RD501 Eng. H/D Truck RD501 Eng. **48**
8.2L 501 OHV L6 (12 Valve), 4.5" Bore 1960-74

CYL. HEAD & PARTS

| QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|-----------------------------|------|--|
| 6 | Exh. | 73-61 | 245-1875-1N Std Only | | Premium Material; 1.8810" OD, 1.6100" ID, .2485" Depth |
| 6 | Exh. | 73-61 | 245-1875-1 Std Only | | 1.8810" OD, 1.6100" ID, .2485" Depth |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Spring | 73-61 | VS-336 | | Inner; 2.3430" Free Height |
| 12 | Spring | 73-61 | VS-337 | | Outer; 2.5620" Free Height |
| 12 | Spring Insert | 73-61 | 259-303C | | .015"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 73-61 | 259-303B | | .030"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 73-61 | 259-303A | | .060"; ID .703"; Carton of 100 |
| 12 | Spring Insert | 73-61 | 259-303ARS | | .060"; ID .703"; Carton of 500 |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 12 | Valve Stem Seal | 73-61 | ST-2007 | | Positive type; Rubber |
| 6 | O-Ring | 73-61 | FP-111024 | | Int.; Rubber |
| 6 | Valve Stem Seal Bulk | 73-61 | FP-111024B | | Int.; O-Ring; Carton of 100; Rubber |

CRANKSHAFT/OIL PUMP

| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------------|-------|-------------------|------|-------------|
| 1 | Wear Sleeve | 69-61 | FP-1816569 | | |
| 1 | Oil Seal | 69-61 | 417316 | | |



I530 Engine

Global Technology Behind Every Part

Overview

The I530 diesel engine was first introduced in 1993. It is used in On-Highway truck and bus applications. The I530P (NGD) engine is also part of the PLN or "Pump Line Nozzle" engine family that includes the DT-408 and DT-466P (NGD) engines. These three engines share many internal engine parts. The newest version of the I530 engine family is the I530E. The I530E comes equipped with the electro-hydraulic HEUI fuel system. The HEUI system provides unaided cold starts down to 10 degrees Fahrenheit.

| | |
|--------------------------------|---|
| Engine Type | Diesel, 4-cycle |
| Configuration..... | In-Line 6-Cylinder |
| Displacement | 530 cu. In. (8.7L) |
| Bore and Stroke | 4.590 x 5.350 in. (116.6 x 135.9 mm) |
| Combustion System..... | Direct Injection |
| Total Engine Weight (Dry)..... | 1275 lb. (578 kg) |

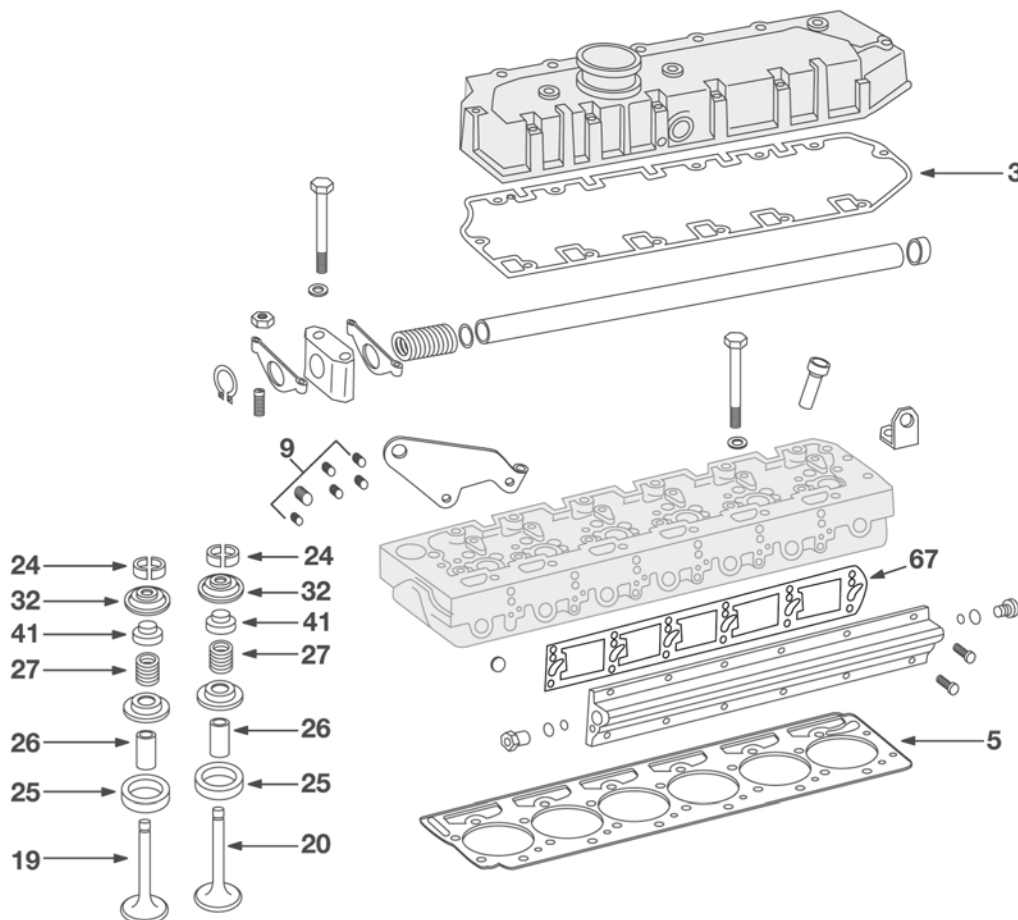
The I530 can be identified by the permanent engine number stamped on the center top left side of the engine crankcase. The first three positions indicate the engine displacement. The fourth digit indicates either turbocharged, air-to-air charge air cooled or mechanical fuel injection engine. The fifth digit indicates the use of the engine, for example M would indicate that the engine was built for truck use. The rest of the digits represent the specific engine serial number. A typical serial number would look like this: 530GM456789.

Like other engines in the International engine families, the I530 has wet-sleeve cylinders and Plasma faced top rings to increase power cylinder life. Engines rated at 300 horsepower feature two-piece articulated pistons that combine the strength of forged steel crowns with lightweight aluminum piston skirts.



M/D Truck I530, I530P (NGD) Engs. H/D Truck I530, I530P (NGD) Engs. **49**
8.7L 530 OHV Turbo-Diesel L6 (12 Valve), 4.587" Bore 1993-97

CYL. HEAD & PARTS



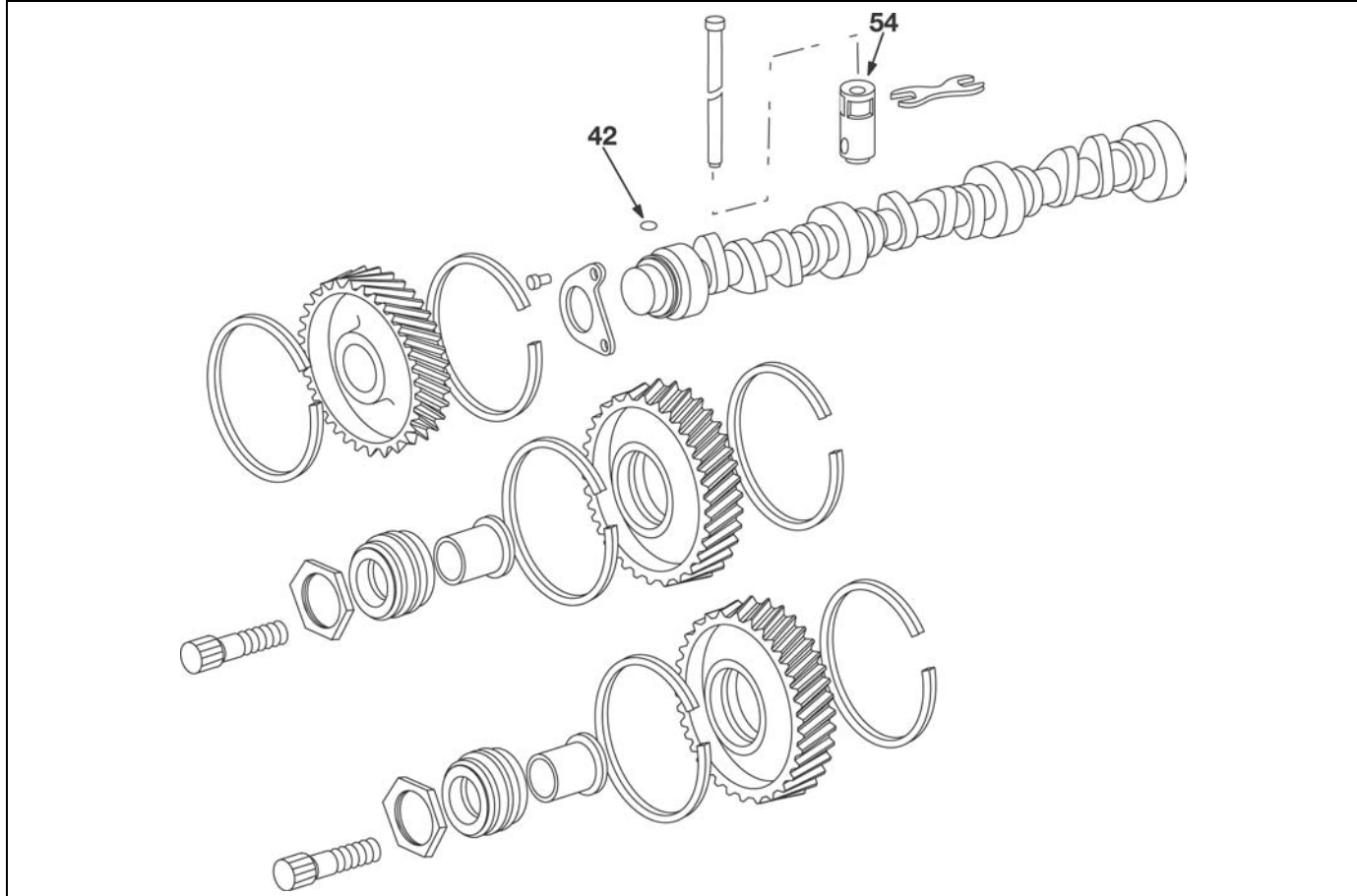
| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|----------------------|-------|------------|------|--|
| 3 | 1 | Valve Cover Gasket | 97-93 | FP-1817510 | | I530P(NGD) Engs. Only |
| 5 | 1 | Head Gasket | 97-93 | FP-1817562 | | |
| | 1 | Head Set | 97-93 | FP-1822328 | | I530P (NGD) Engs. only |
| 67 | 1 | Fuel Manifold Gasket | 97-93 | FP-1822577 | | |
| REF # | QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 6 | Intake | 97-93 | FP-1818580 | | I530 & I530P (NGD) Engs.; Eng. Ser. No. 956463 & below; 5/16" valve stem |
| 19 | 6 | Intake | 97-93 | FP-1824642 | | I530 & I530P (NGD) Engs.; Eng. Ser. No. 956464 & above; 3/8" valve stem |
| 20 | 6 | Exhaust | 97-93 | FP-1824838 | | I530 & I530P (NGD) Engs.; Eng. Ser. No. 956463 & below; 5/16" valve stem |
| 20 | 6 | Exhaust | 97-93 | FP-1824842 | | I530 & I530P (NGD) Engs.; Eng. Ser. No. 956464 & above; 3/8" valve stem |
| 24 | 24 | Keeper | 97-93 | FP-1824644 | | I530 & I530P (NGD) Engs.; 3/8" valve stem |
| 24 | 24 | Keeper | 97-93 | FP-1810944 | | I530 & I530P (NGD) Engs.; 5/16" valve stem |
| REF # | QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 25 | 6 | Exh. | 97-93 | FP-675450 | STD | I.D. Top taper 1.524"; 1.6285" OD, 1.3480" ID, .3650" Depth |
| 25 | 6 | Int. | 97-93 | FP-675043 | STD | I.D. Top taper 1.767"; 1.9990" OD, 1.7120" ID, .3860" Depth |
| REF # | QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 26 | 12 | Guide | 97-93 | FP-1820264 | | I530 & I530P (NGD) Engs.; Eng. Ser. No. 956463 & below; .315" ID, .565" OD, 2.391" O.A.L. |
| 26 | 12 | Guide | 97-93 | FP-1824646 | | I530 & I530P (NGD) Engs.; Eng. Ser. No. 956464 & above; .375" ID, .6262" OD, 2.39" O.A.L.; .3750" ID, 2.3900" O.A.L. |
| REF # | QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 6 | Spring | 97-93 | FP-1825540 | | Exh. |
| 27 | 6 | Spring | 97-93 | FP-677349 | | Int. |

(continued on next page)

49 M/D Truck I530, I530P (NGD) Engs. H/D Truck I530, I530P (NGD) Engs. (cont.) 8.7L 530 OHV Turbo-Diesel L6 (12 Valve), 4.587" Bore 1993-97

| CYL. HEAD & PARTS (cont.) | | | | | | |
|---------------------------|-----|--------------------|-------|--------------|------|---|
| REF # | QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 32 | 12 | Rotocap | 97-93 | FP-1824680 | | Exh. & Int.; Eng. Ser. No. 956464 & above; Valve stem seal incl. |
| | 12 | Valve Rotator Seal | 97-93 | FP-1824683 | | Exh. & Int.; Eng. Ser. No. 956464 & above |
| REF # | QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 41 | 12 | Valve Stem Seal | 97-93 | FP-1823925 | | Exh. & Int.; I530 & I530P (NGD) Engs.; Eng. Ser. No. 956464 & above; Positive; Viton® |
| 41 | 12 | Valve Stem Seal | 97-93 | FP-1822245 * | | Exh. & Int.; I530 & I530P (NGD) Engs.; To Eng. Ser. No. 956463; 5/16" Valve Stem |

CAMSHAFT GROUP



| REF # | QTY | CAMSHAFT TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-----------------|-------|------------|------|-----------------------|
| 42 | 1 | Woodruff Key | 97-93 | FP-218211 | | Cam gear; 1/4" x 3/4" |
| REF # | QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 54 | 12 | Lifter | 97-93 | FP-1809570 | | Roller type |

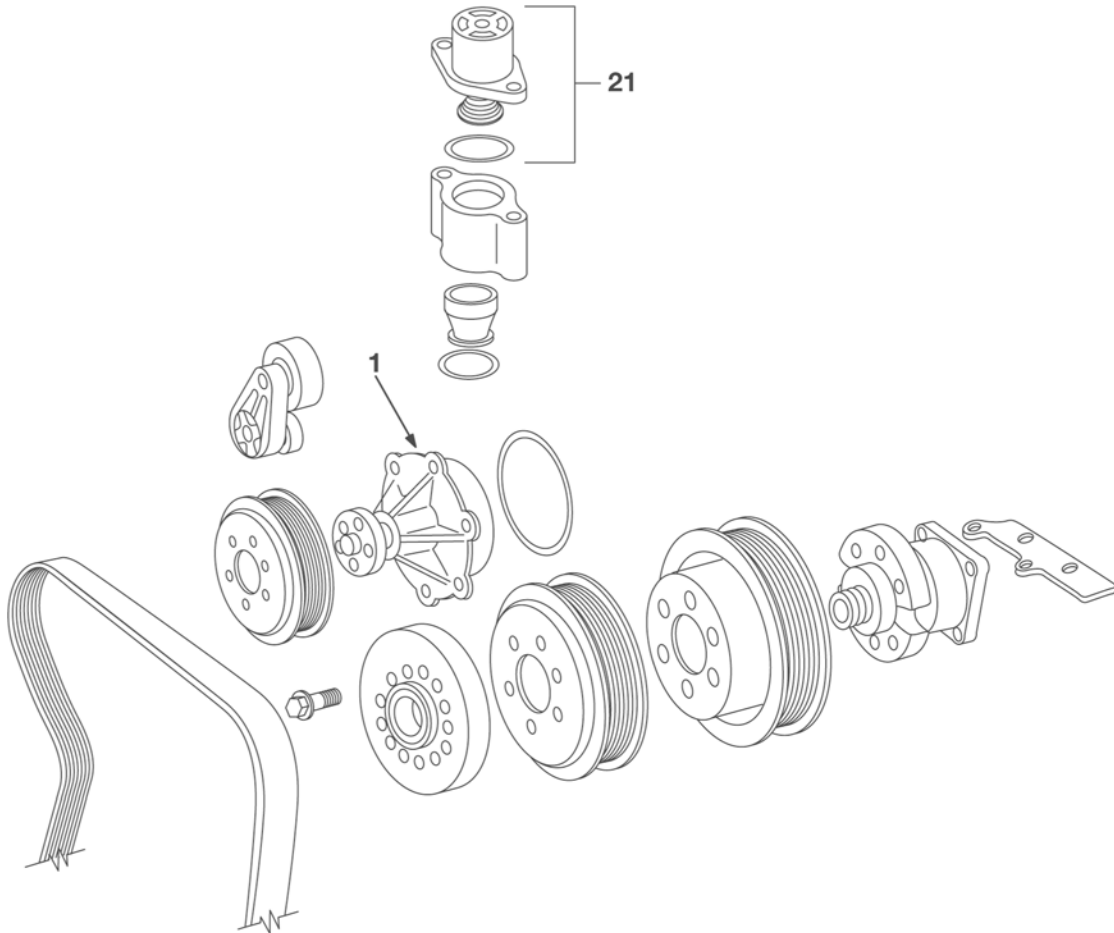
FUEL SYSTEM & PARTS

| | QTY | FUEL INJECTION | YEARS | PART NO. | SIZE | DESCRIPTION |
|--|-----|-------------------------------|-------|------------|------|---------------------|
| | 6 | Injector Nozzle Seat Gasket | 97-93 | FP-675477 | | .060" thick |
| | 6 | Grommet | 97-93 | FP-682810 | | Injector dust cover |
| | 6 | Fuel Injector Sleeve | 97-93 | FP-675442 | | |
| | QTY | TURBOCHARGER | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Turbocharger Oil Inlet Gasket | 97-93 | FP-253660 | | |
| | 1 | Turbocharger Mounting Gasket | 97-93 | FP-1822120 | | |

(continued on next page)

M/D Truck I530, I530P (NGD) Engs. H/D Truck I530, I530P (NGD) Engs. **49**
 8.7L 530 OHV Turbo-Diesel L6 (12 Valve), 4.587" Bore 1993-97 (cont.)

COOLING SYSTEM

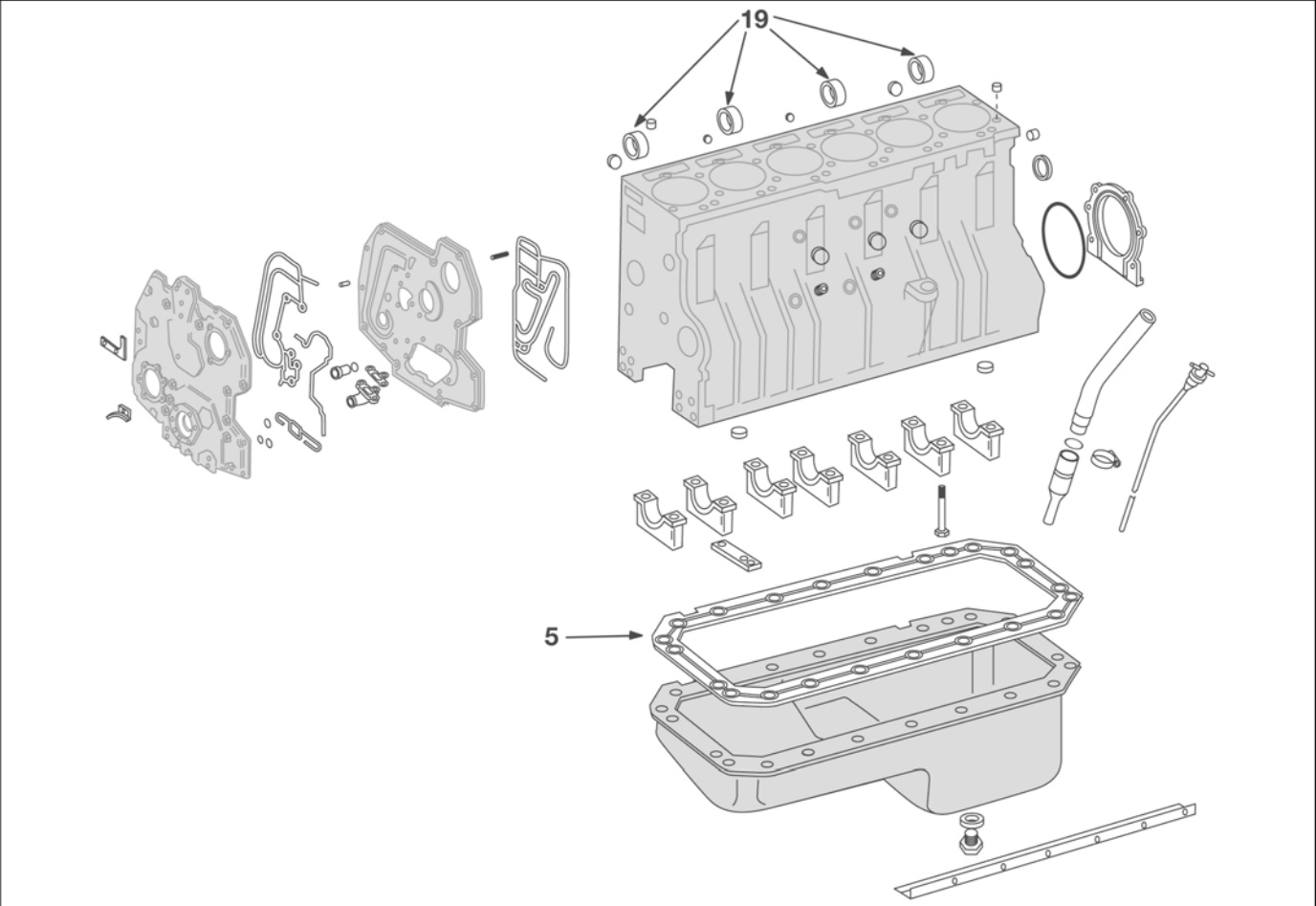


| REF # | QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------|-------|------------|------|--------------------------|
| 1 | 1 | Water Pump - Heavy Duty | 97-93 | FP-1817687 | | w/7 bolt mounting flange |
| REF # | QTY | THERMOSTAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 21 | 1 | Thermostat Kit | 97-93 | FP-1830256 | | Incl. thermostat & seal |

(continued on next page)

49 M/D Truck I530, I530P (NGD) Engs. H/D Truck I530, I530P (NGD) Engs.
(cont.) 8.7L 530 OHV Turbo-Diesel L6 (12 Valve), 4.587" Bore 1993-97

ENGINE BLOCK & PARTS

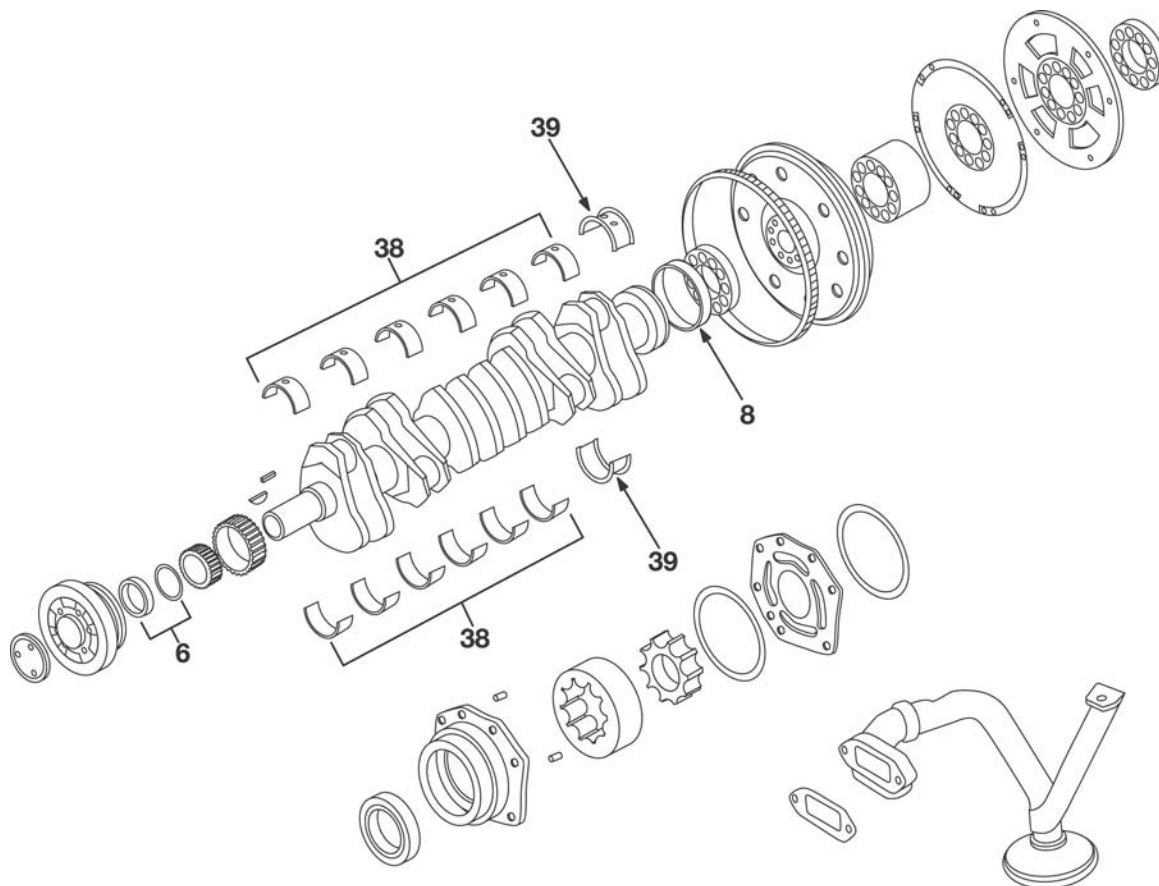


| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-----------------------|-------|------------|------|------------------------------------|
| 5 | 1 | Oil Pan Gasket | 97-93 | FP-1826587 | | Oil Pan; RTV Sealant |
| | 1 | Chemicals | 97-93 | FP-1816593 | | Oil pump; Incl. seal & wear sleeve |
| | 1 | Oil Seal Kit | 97-93 | FP-690437 | | |
| REF # | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 1 | Cam Set | 97-93 | FP-680117 | STD | |
| REF # | QTY | OIL COOLERS & FILTERS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | O-Ring | 97-93 | FP-1822708 | | Oil cooler filter head check valve |

(continued on next page)

M/D Truck I530, I530P (NGD) Engs. H/D Truck I530, I530P (NGD) Engs. **49**
 8.7L 530 OHV Turbo-Diesel L6 (12 Valve), 4.587" Bore 1993-97 (cont.)

CRANKSHAFT/OIL PUMP

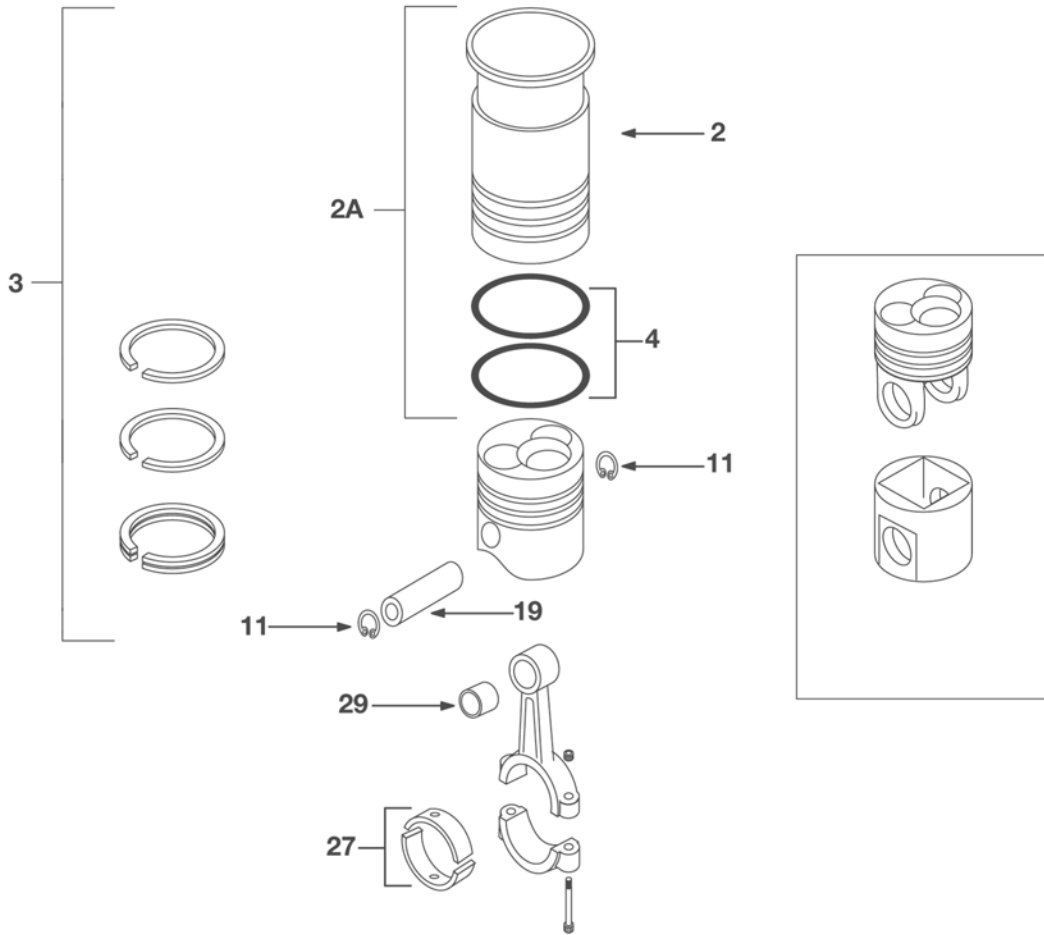


| REF # | QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|---------------------|-------|------------|------|--|
| 6 | 1 | Oil Seal Kit | 97-93 | FP-690437 | | Incl. seal & wear sleeve |
| REF # | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | 1 | Oil Seal Kit | 97-93 | FP-1817867 | | Incl. seal & wear sleeve |
| REF # | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 38 | 6 | Plain Main Brg. | 97-93 | FP-1822321 | STD | Position 1-2-3-4-5-6; I530P (NGD) Engs. |
| 38 | 6 | Plain Main Brg. | 97-93 | FP-1822490 | 10 | Position 1-2-3-4-5-6; I530P (NGD) Engs. |
| 38 | 6 | Plain Main Brg. | 97-93 | FP-1822491 | 20 | Position 1-2-3-4-5-6; I530P (NGD) Engs. |
| 38 | 6 | Plain Main Brg. | 97-93 | FP-1822492 | 30 | Position 1-2-3-4-5-6; I530P (NGD) Engs. |
| 39 | 1 | Flanged Main Brg. | 97-93 | FP-1822379 | STD | Position 7; I530P (NGD) Engs. |
| 39 | 1 | Flanged Main Brg. | 97-93 | FP-1822494 | 10 | Position 7; I530P (NGD) Engs. |
| 39 | 1 | Flanged Main Brg. | 97-93 | FP-1822495 | 20 | Position 7; I530P (NGD) Engs. |
| 39 | 1 | Flanged Main Brg. | 97-93 | FP-1822496 | 30 | Position 7; I530P (NGD) Engs. |
| REF # | QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | 1 | Oil Pump Gasket | 97-93 | FP-1815898 | | I530E Engs.; High pressure oil pump flange gskt. |

(continued on next page)

49 M/D Truck I530, I530P (NGD) Engs. H/D Truck I530, I530P (NGD) Engs. (cont.) 8.7L 530 OHV Turbo-Diesel L6 (12 Valve), 4.587" Bore 1993-97

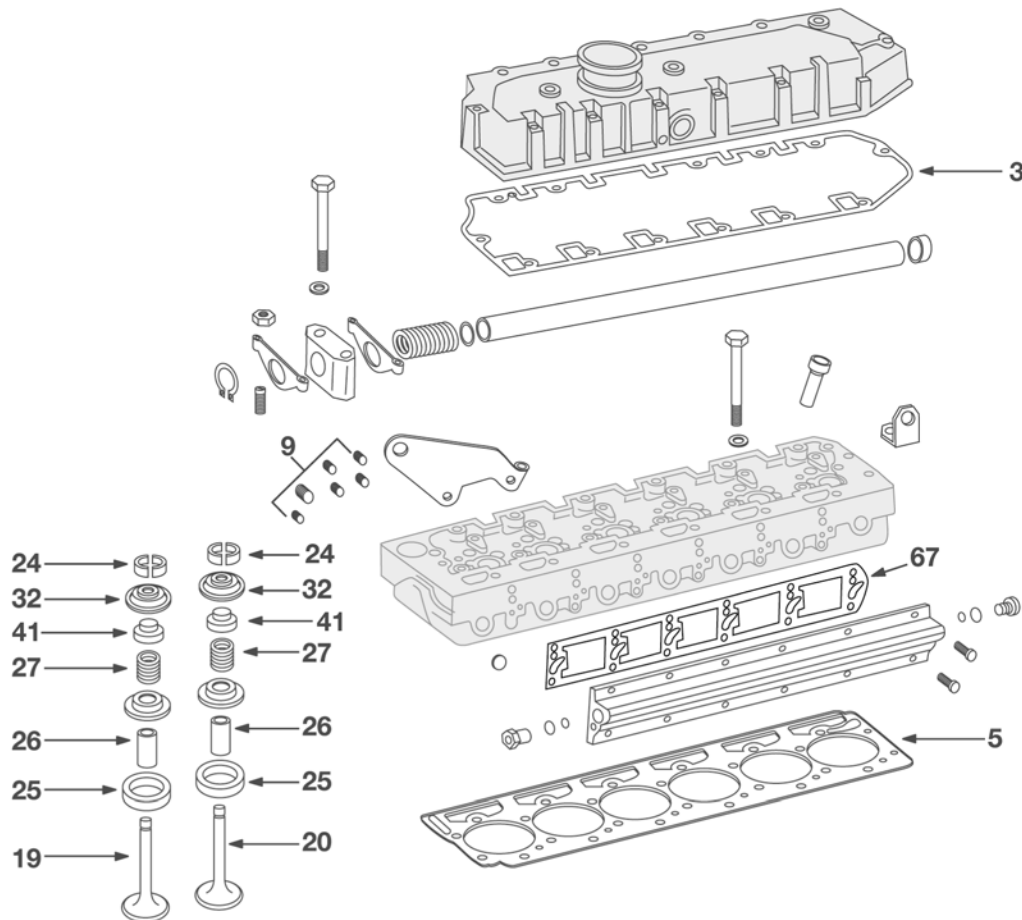
CYLINDER COMPONENTS



| REF # | QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-----------------------------|-------|---------------|------|--|
| 2 | 6 | Liner w/o Sealing Ring | 97-93 | FP-1841326 | STD | |
| 2A | 6 | Liner w/Sealing Rings | 97-93 | FP-1842553 | STD | |
| 3 | 6 | Cylinder Kit Complete | 97-93 | FP-1824757 * | STD | I530P (NGD) Eng. Ser. No. 915841 & above; 300 HP & above; Articulated Piston |
| 3 | 6 | Cylinder Kit Complete | 97-93 | FP-1822333 | STD | I530P (NGD) Engs., below 300 HP; Exc. HEUI Injector |
| 4 | 6 | Cyl. Liner Sealing Ring Kit | 97-93 | FP-1822322 | | |
| 4 | 6 | Sealing Ring, Liner | 97-93 | FP-1817633 | | |
| 4 | 6 | Sealing Ring, Liner | 97-93 | FP-1842115 | | PTFE |
| REF # | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 13 | 6 | Piston Body w/o Pin | 97-93 | FP-1822098 | STD | I530P NGD Engs., below 300 HP; Exc. HEUI Injector |
| 19 | 6 | Pin | 97-93 | FP-1830060 | | Use w/Articulated Pistons only |
| 19 | 6 | Pin | 97-93 | FP-1818552 | | Use w/FP-1822098 Piston |
| 11 | 12 | Piston Pin Retainer | 97-93 | FP-1818702 | | |
| 29 | 6 | Pin Bushing | 97-93 | FP-1818598 | | |
| REF # | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 6 | Rod Pair | 97-93 | FP-1822389 | STD | I530P (NGD) Engs. |
| 27 | 6 | Rod Pair | 97-93 | FP-1822486 | 10 | I530P (NGD) Engs. |
| 27 | 6 | Rod Pair | 97-93 | FP-1822487 | 20 | I530P (NGD) Engs. |
| REF # | QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 33 | 6 | Ring Set Single Cylinder | 97-93 | FP-1822337 | | I530P (NGD) Engs. only |
| KITS | | | | | | |
| | QTY | OVERHAUL KIT | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | In-Frame Overhaul Kit | 97-93 | FP-IFKI530NGD | | I530P (NGD) Engs. only |
| | 1 | In-Frame Overhaul Kit | 97-93 | FP-1833447 | | I530P (NGD) Engs. only; Equal to IH/Navistar "Work Kit" |

M/D Truck DT530E, I530E, HEUI Engs. H/D Truck DT530E, I530E, HEUI Engs. **50**
8.7L 530 OHV Turbo-Diesel L6 (Intercooled), 4.587" Bore 1995-2005

CYL. HEAD & PARTS



| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|------------------------|-------|------------|------|--|
| 3 | 1 | Valve Cover Gasket Set | 05-95 | FP-1825602 | | Incl. valve cover gasket & O-Ring |
| 5 | 1 | Head Gasket | 99-95 | FP-1817562 | | |
| | 1 | Head Set | 05-00 | FP-1830721 | | Eng. Ser. No. 1194039-2000000 |
| | 1 | Head Set | 99-95 | FP-1824970 | | To Eng. Ser. No. 1194038 |
| 67 | 1 | Fuel Manifold Gasket | 05-95 | FP-1822577 | | |
| REF # | QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 6 | Intake | 05-00 | FP-1842913 | | Eng. Ser. No. 1194039-2000000 |
| 19 | 6 | Intake | 99-95 | FP-1823875 | | To Eng. Ser. No. 1194038 |
| 20 | 6 | Exhaust | 05-00 | FP-1842912 | | Eng. Ser. No. 1194039-2000000 |
| 20 | 6 | Exhaust | 99-95 | FP-1824840 | | To Eng. Ser. No. 1194038 |
| 24 | 24 | Keeper | 05-95 | FP-1824644 | | 3/8" valve stem |
| REF # | QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 25 | 6 | Exh. | 99-95 | FP-1821903 | STD | To Eng. Ser. No. 1194038; 1.8110" OD, 1.5525" ID, .3340" Depth |
| 25 | 6 | Exh. | 99-95 | FP-1821904 | 2 | To Eng. Ser. No. 1194038; 1.8130" OD, 1.5525" ID, .3340" Depth |
| 25 | 6 | Exh. | 99-95 | FP-1821905 | 15 | To Eng. Ser. No. 1194038; 1.8260" OD, 1.5525" ID, .3340" Depth |
| 25 | 6 | Int. | 99-95 | FP-1821900 | STD | To Eng. Ser. No. 1194038; 1.8210" OD, 1.5600" ID, .2740" Depth |
| 25 | 6 | Int. | 99-95 | FP-1821901 | 2 | To Eng. Ser. No. 1194038; 1.8230" OD, 1.5600" ID, .2740" Depth |
| 25 | 6 | Int. | 99-95 | FP-1821902 | 15 | To Eng. Ser. No. 1194038; 1.8360" OD, 1.5600" ID, .2740" Depth |
| REF # | QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 26 | 12 | Guide | 05-95 | FP-1824647 | | .375" ID, .6262" OD, 2.61" O.A.L. |
| REF # | QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 6 | Spring | 05-95 | FP-1825540 | | Exh. |
| 27 | 6 | Spring | 05-95 | FP-677349 | | Int. |

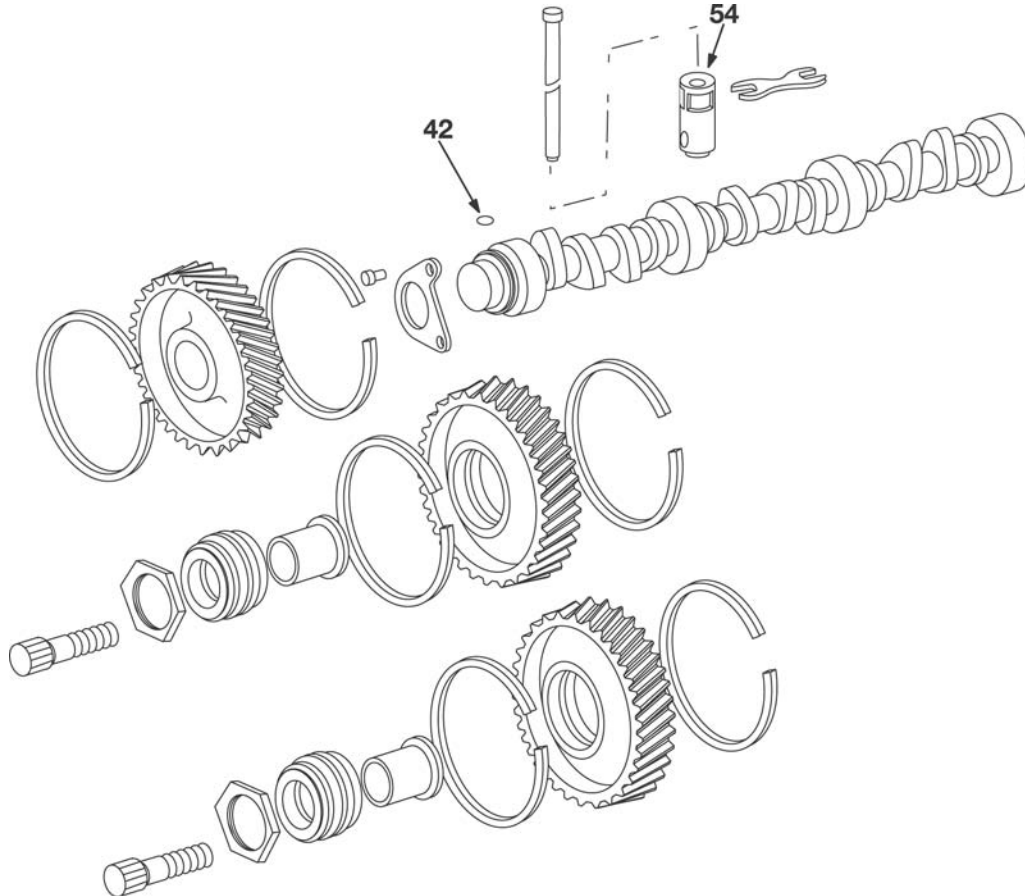
(continued on next page)

50 M/D Truck DT530E, I530E, HEUI Engs. H/D Truck DT530E, I530E, HEUI Engs.
(cont.) 8.7L 530 OHV Turbo-Diesel L6 (Intercooled), 4.587" Bore 1995-2005

CYL. HEAD & PARTS (cont.)

| REF # | QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|--------------------|-------|------------|------|-------------------------------|
| 32 | 6 | Rotocap | 05-95 | FP-1824680 | | Exh.; Valve stem seal incl. |
| | 12 | Valve Rotator Seal | 05-95 | FP-1824683 | | Exh. & Int. |
| REF # | QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 41 | 12 | Valve Stem Seal | 05-95 | FP-1823925 | | Int. & Exh.; Positive; Viton® |

CAMSHAFT GROUP



| REF # | QTY | CAMSHAFT TIMING | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-----------------|-------|------------|------|-----------------------|
| 42 | 1 | Woodruff Key | 05-95 | FP-218211 | | Cam gear; 1/4" x 3/4" |
| REF # | QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 54 | 12 | Lifter | 05-95 | FP-1809570 | | Roller type |

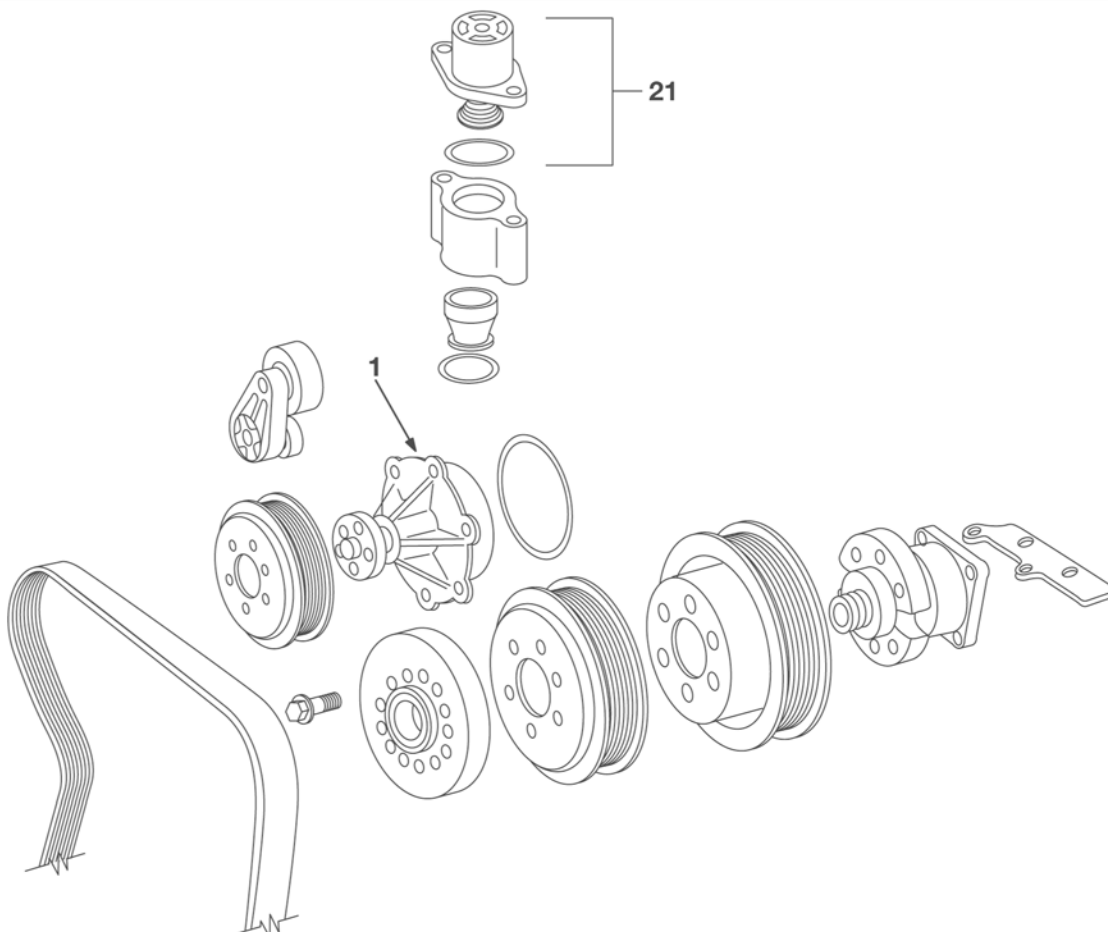
FUEL SYSTEM & PARTS

| | QTY | FUEL INJECTION | YEARS | PART NO. | SIZE | DESCRIPTION |
|--|-----|-------------------------------|-------|------------|------|---|
| | 6 | Injector Nozzle Seat Gasket | 05-95 | FP-675477 | | .060" thick |
| | 6 | Grommet | 05-95 | FP-682810 | | Injector dust cover |
| | 6 | Fuel Injector Sleeve | 05-00 | FP-1833382 | | Eng. Ser. No. 1194039-2000000 |
| | 6 | Fuel Injector Sleeve | 99-95 | FP-1818778 | | To Eng. Ser. No. 1194038 |
| | 6 | Fuel Injector Repair Kit | 05-95 | FP-1833564 | | Incl. all seals to repair/replace Fuel Injector |
| | QTY | TURBOCHARGER | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Turbocharger Oil Inlet Gasket | 05-95 | FP-253660 | | |
| | 1 | Turbocharger Mounting Gasket | 05-95 | FP-1822120 | | |

(continued on next page)

M/D Truck DT530E, I530E, HEUI Engs. H/D Truck DT530E, I530E, HEUI Engs. **50**
8.7L 530 OHV Turbo-Diesel L6 (Intercooled), 4.587" Bore 1995-2005 (cont.)

COOLING SYSTEM

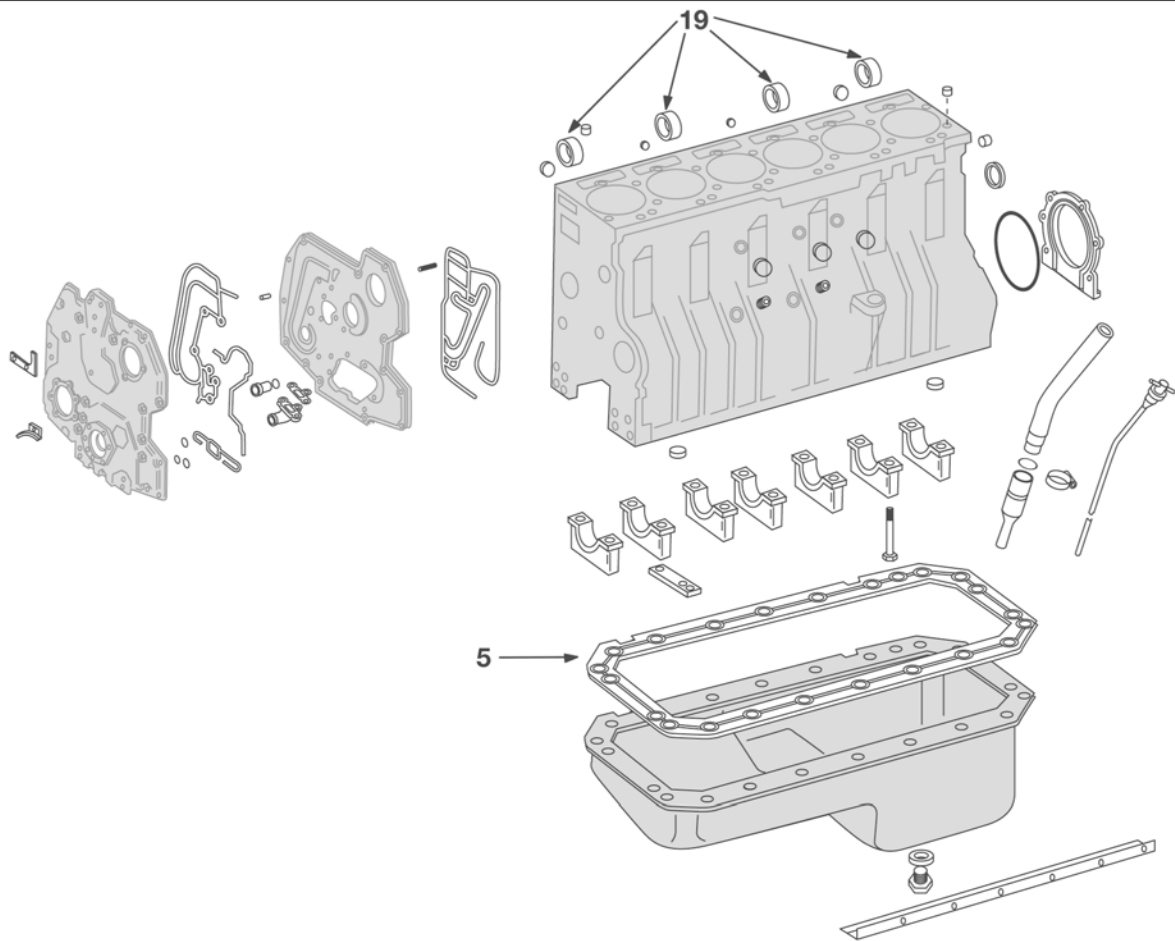


| REF # | QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------|-------|------------|------|--------------------------|
| 1 | 1 | Water Pump - Heavy Duty | 05-95 | FP-1817687 | | w/7 bolt mounting flange |
| REF # | QTY | THERMOSTAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 21 | 1 | Thermostat Kit | 05-95 | FP-1830256 | | Incl. thermostat & seal |

(continued on next page)

50 M/D Truck DT530E, I530E, HEUI Engs. H/D Truck DT530E, I530E, HEUI Engs.
(cont.) 8.7L 530 OHV Turbo-Diesel L6 (Intercooled), 4.587" Bore 1995-2005

ENGINE BLOCK & PARTS

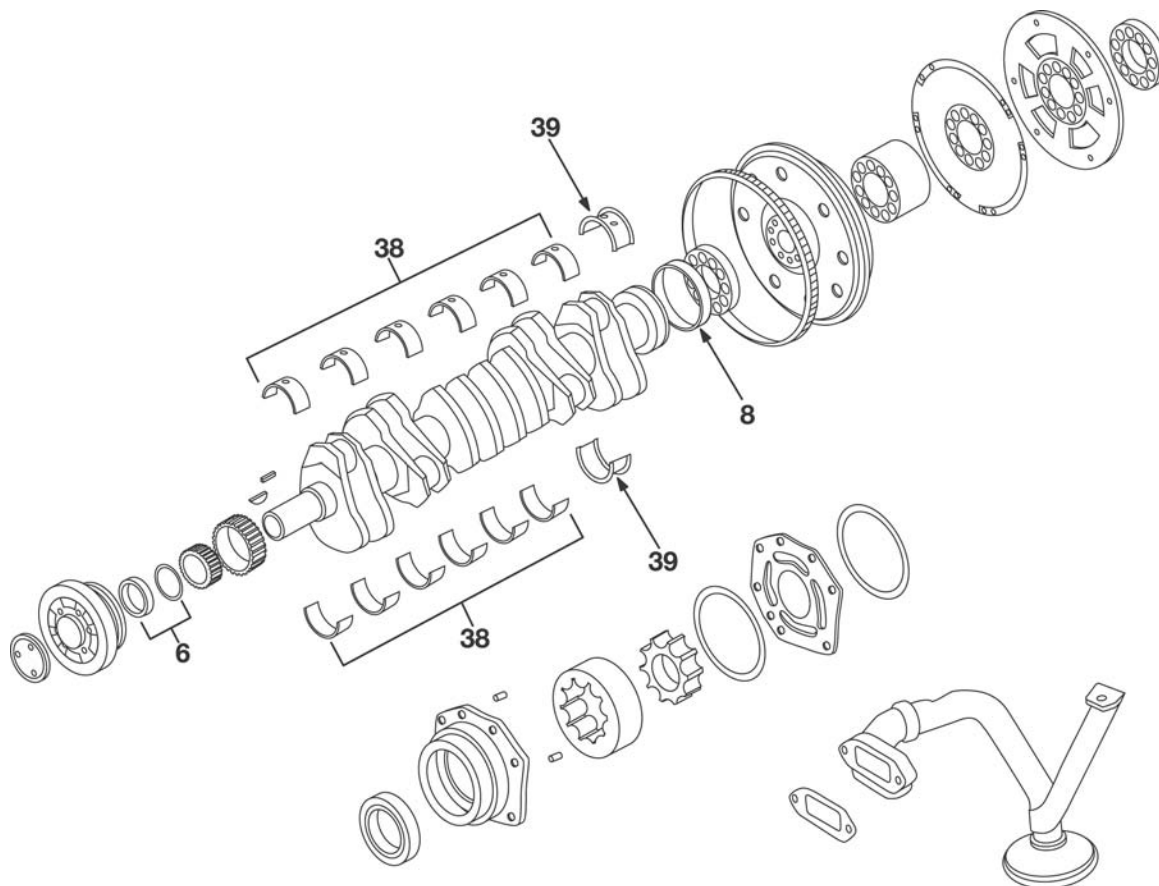


| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-----------------------|-------|------------|------|------------------------------------|
| 5 | 1 | Oil Pan Gasket | 05-95 | FP-1826587 | | |
| | 1 | Chemicals | 05-95 | FP-1816593 | | Oil Pan; RTV Sealant |
| REF # | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 1 | Cam Set | 05-95 | FP-680117 | STD | |
| REF # | QTY | OIL COOLERS & FILTERS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | O-Ring | 05-95 | FP-1822708 | | Oil cooler filter head check valve |

(continued on next page)

M/D Truck DT530E, I530E, HEUI Engs. H/D Truck DT530E, I530E, HEUI Engs. **50**
8.7L 530 OHV Turbo-Diesel L6 (Intercooled), 4.587" Bore 1995-2005 (cont.)

CRANKSHAFT/OIL PUMP

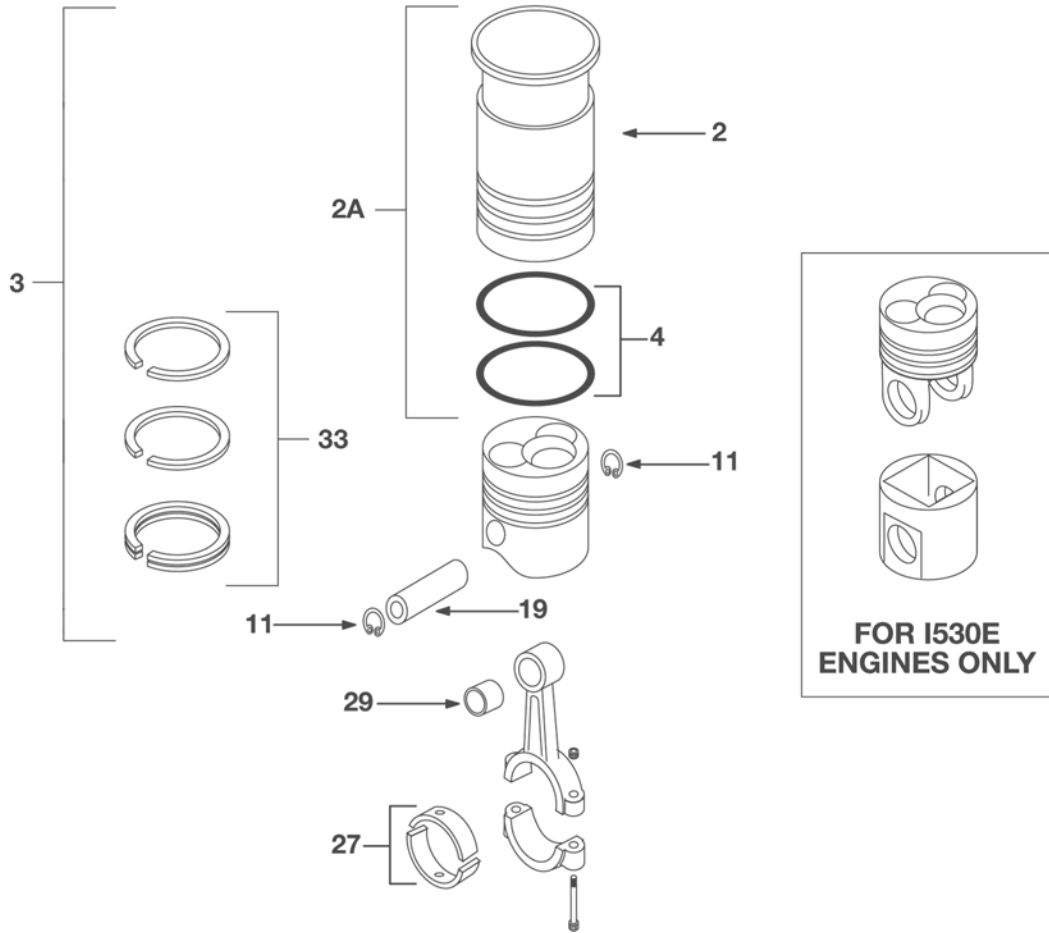


| REF # | QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|---------------------|-------|------------|-------|--|
| 6 | 1 | Oil Seal Kit | 05-95 | FP-690437 | | Incl. seal & wear sleeve |
| REF # | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | 1 | Oil Seal Kit | 05-95 | FP-1817867 | | Incl. seal & wear sleeve |
| REF # | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 38 | 6 | Plain Main Brg. | 05-00 | FP-1830725 | STD | Eng. Ser. No. 1194039-2000000 |
| 38 | 6 | Plain Main Brg. | 05-00 | FP-1833364 | .25MM | Eng. Ser. No. 1194039-2000000 |
| 38 | 6 | Plain Main Brg. | 05-00 | FP-1833365 | .50MM | Eng. Ser. No. 1194039-2000000 |
| 38 | 6 | Plain Main Brg. | 05-00 | FP-1833366 | .75MM | Eng. Ser. No. 1194039-2000000 |
| 38 | 6 | Plain Main Brg. | 99-95 | FP-1822321 | STD | Position 1-2-3-4-5-6; To Eng. Ser. No. 1194038 |
| 38 | 6 | Plain Main Brg. | 99-95 | FP-1822490 | 10 | Position 1-2-3-4-5-6; To Eng. Ser. No. 1194038 |
| 38 | 6 | Plain Main Brg. | 99-95 | FP-1822491 | 20 | Position 1-2-3-4-5-6; To Eng. Ser. No. 1194038 |
| 38 | 6 | Plain Main Brg. | 99-95 | FP-1822492 | 30 | Position 1-2-3-4-5-6; To Eng. Ser. No. 1194038 |
| 39 | 1 | Flanged Main Brg. | 05-00 | FP-1830726 | STD | Eng. Ser. No. 1194039-2000000 |
| 39 | 1 | Flanged Main Brg. | 05-00 | FP-1833361 | .25MM | Eng. Ser. No. 1194039-2000000 |
| 39 | 1 | Flanged Main Brg. | 05-00 | FP-1833362 | .50MM | Eng. Ser. No. 1194039-2000000 |
| 39 | 1 | Flanged Main Brg. | 05-00 | FP-1833363 | .75MM | Eng. Ser. No. 1194039-2000000 |
| 39 | 1 | Flanged Main Brg. | 99-95 | FP-1822379 | STD | Position 7; To Eng. Ser. No. 1194038 |
| 39 | 1 | Flanged Main Brg. | 99-95 | FP-1822494 | 10 | Position 7; To Eng. Ser. No. 1194038 |
| 39 | 1 | Flanged Main Brg. | 99-95 | FP-1822495 | 20 | Position 7; To Eng. Ser. No. 1194038 |
| 39 | 1 | Flanged Main Brg. | 99-95 | FP-1822496 | 30 | Position 7; To Eng. Ser. No. 1194038 |
| REF # | QTY | OIL PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | 1 | Oil Pump Gasket | 05-95 | FP-1815898 | | High pressure oil pump flange gskt. |

(continued on next page)

50 M/D Truck DT530E, I530E, HEUI Engs. H/D Truck DT530E, I530E, HEUI Engs. (cont.) 8.7L 530 OHV Turbo-Diesel L6 (Intercooled), 4.587" Bore 1995-2005

CYLINDER COMPONENTS



| REF # | QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-----------------------------|-------|--------------|------|---|
| 2 | 6 | Liner w/o Sealing Ring | 05-95 | FP-1841326 | STD | |
| 2A | 6 | Liner w/Sealing Rings | 05-95 | FP-1842553 | STD | |
| 3 | 6 | Cylinder Kit Complete | 05-00 | FP-1830715 * | STD | Eng. Ser. No. 1194039 & above; 275 HP & below |
| 3 | 6 | Cylinder Kit Complete | 05-00 | FP-1841896 | STD | Eng. Ser. No. 1194039 & above; 300 HP & above |
| 3 | 6 | Cylinder Kit Complete | 05-00 | FP-1830716 | STD | Incl. Articulated Piston; Eng. Ser. No. 1194039 & above; 300 HP & above |
| 3 | 6 | Cylinder Kit Complete | 99-95 | FP-1825547 * | STD | Eng. Ser. No. 1194038 & below; 250 HP & 275 HP |
| 3 | 6 | Cylinder Kit Complete | 99-95 | FP-1825548 * | STD | Eng. Ser. No. 1194038 & below; 300 HP & above |
| 4 | 6 | Cyl. Liner Sealing Ring Kit | 05-95 | FP-1822322 | | |
| 4 | 6 | Sealing Ring, Liner | 05-95 | FP-1817633 | | |
| 4 | 6 | Sealing Ring, Liner | 05-95 | FP-1842115 | | PTFE |
| REF # | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 11 | 12 | Piston Pin Retainer | 05-95 | FP-1818702 | | |
| 29 | 6 | Pin Bushing | 02-95 | FP-1818598 | | |
| REF # | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 6 | Rod Pair | 05-00 | FP-1842570 | STD | I530E Eng. Ser. No. 1194039-2000000 |
| 27 | 6 | Rod Pair | 99-95 | FP-1822389 | STD | To Eng. Ser. No. 1194038 |
| 27 | 6 | Rod Pair | 99-95 | FP-1822486 | 10 | To Eng. Ser. No. 1194038 |
| 27 | 6 | Rod Pair | 99-95 | FP-1822487 | 20 | To Eng. Ser. No. 1194038 |
| REF # | QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 33 | 6 | Ring Set Single Cylinder | 05-00 | FP-1836193 | STD | Eng. Ser. No. 1194039-2000000; Use w/Articulated Piston FP-1836320 |
| 33 | 6 | Ring Set Single Cylinder | 05-00 | FP-1830723 | STD | Eng. Ser. No. 1194039-2000000; Use w/FP-1830532 (O.E. 1830532C2) Piston |
| 33 | 6 | Ring Set Single Cylinder | 05-00 | FP-1830724 | STD | Eng. Ser. No. 1305095-2000000; Use w/Articulated Piston FP-1827245 |
| 33 | 6 | Ring Set Single Cylinder | 99-95 | FP-1822337 | | Eng. Ser. No. 1194038 & below |

H/D Truck V537, VS537 Engs. 51
8.8L 537 OHV V8 (16 Valve), 4.625" Bore 1977-81

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------|-------|------------|------|------------------------------------|
| 32 | Keeper | 81-77 | VK-140 | | |
| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Guide | 81-77 | VG-549 | | Int.; .4385" ID, 3.0900" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 81-77 | FP-317365 | | Incl. damper; 2.0500" Free Height |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | 81-77 | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | 81-77 | FP-443128 | | Exh. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Valve Stem Seal | 81-77 | MV-1914 | | Umbrella type; Nylon |

ENGINE BLOCK & PARTS

| QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------|-------|-----------|------|-------------|
| 1 | Oil Pan Gasket | 81-77 | FP-448428 | | |
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | 81-77 | FP-448139 | STD | |

CRANKSHAFT/OIL PUMP

| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|--------------------|-------|------------|------|--------------------------------------|
| 1 | Rear Main Seal Set | 81-77 | 260-6017 | | Rubber; One-piece; Wear sleeve incl. |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 81-77 | FP-5032M | STD | |
| 1 | Main Set | 81-77 | FP-5032M10 | 10 | |
| 1 | Main Set | 81-77 | FP-5032M20 | 20 | |
| 1 | Main Set | 81-77 | FP-5032M30 | 30 | |
| 4 | Plain Main Brg. | 81-77 | FP-480842 | STD | Position 1-2-4-5 |
| 4 | Plain Main Brg. | 81-77 | FP-480843 | 10 | Position 1-2-4-5 |
| 4 | Plain Main Brg. | 81-77 | FP-480844 | 20 | Position 1-2-4-5 |
| 4 | Plain Main Brg. | 81-77 | FP-480845 | 30 | Position 1-2-4-5 |
| 1 | Flanged Main Brg. | 81-77 | FP-448064 | STD | Position 3 |
| 1 | Flanged Main Brg. | 81-77 | FP-480847 | 10 | Position 3 |
| 1 | Flanged Main Brg. | 81-77 | FP-480848 | 20 | Position 3 |
| 1 | Flanged Main Brg. | 81-77 | FP-480849 | 30 | Position 3 |

M/D Truck FTV549, FTVS549, V549, VS549 Engs. 52
9.0L 549 OHV V8 (16 Valve), 4.5" Bore 1961-64

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|------------|----------|---|
| 32 | Keeper | 64-61 | VK-140 | | |
| QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Int. | 64-61 | 245-2250-1 | Std Only | Machine ID to fit; 2.2555" OD, 1.9375" ID, .1855" Depth |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 64-61 | FP-317365 | | Late Engs.; Incl. damper; 2.0500" Free Height |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | 64-61 | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | 64-61 | FP-443128 | | Exh. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Valve Stem Seal | 64-61 | ST-2007 | | Positive type; Rubber |
| 16 | O-Ring | 64-61 | FP-111024 | | Rubber |
| 16 | Valve Stem Seal | 64-61 | MV-1551 | | Late Engs.; O-Ring; Carton of 50; Rubber |
| 16 | Valve Stem Seal Bulk | 64-61 | FP-111024B | | O-Ring; Carton of 100; Rubber |

CAMSHAFT GROUP

| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------|-------|----------|------|---|
| 1 | Camshaft | 64-61 | CS-218 | | |
| 1 | Prelube | 64-61 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |

ENGINE BLOCK & PARTS

| QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------|-------|-----------|------|---|
| 1 | Oil Pan Gasket | 64-61 | FP-448428 | | |
| QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Kit Gasket Set | 64-61 | 260-1115 | | Note: head gskt. requires retorquing; Valve stem seals from Ser. No. 139494 not incl. |

(continued on next page)

International/Navistar Truck



52 M/D Truck FTV549, FTVS549, V549, VS549 Engs. (cont.) 9.0L 549 OHV V8 (16 Valve), 4.5" Bore 1961-64

| ENGINE BLOCK & PARTS (cont.) | | | | | | | | |
|------------------------------|-----|---|-------|-------------|------|---|-----|---------|
| | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION | | |
| | 1 | Cam Set | 64-61 | FP-448139 | STD | | | |
| CRANKSHAFT/OIL PUMP | | | | | | | | |
| | QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION | | |
| | 1 | Redi-Sleeve | 64-61 | 99248 | | | | |
| | 1 | Oil Seal | 64-61 | 7581H | | | | |
| | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION | | |
| | 1 | Oil Seal Kit | 64-61 | 5065 | | | | |
| CYLINDER COMPONENTS | | | | | | | | |
| | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION | | |
| | 8 | Pin Bushing | 64-61 | 2199Y20 | | | | |
| | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION | | |
| | 8 | Rod Pair | 64-61 | FP-2195CP | STD | | | |
| | 1 | Rod Pair | 64-61 | FP-2195CP10 | 10 | | | |
| | QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION | | |
| | 1 | Premium Set | 64-61 | FP-E308K | STD | Check piston grooving before supplying ring set; 2-3/32, 1-3/16 | | |
| KITS | | | | | | | | |
| RE-RING KIT | | | | | QTY | PREMIUM | QTY | ECONOMY |
| YEARS | | DESCRIPTION | | | | KIT NO. | | KIT NO. |
| 64-61 | | Note: head gskt. requires retorque; Valve stem seals Re-ring from Ser. No. 139494 not incl. | | | 1 | FP-205701 | | ----- |

53 H/D Truck FTV549, FTVS549, V549, VS549 Engs. 9.0L 549 OHV V8 (16 Valve), 4.5" Bore 1961-76

| CYL. HEAD & PARTS | | | | | | |
|----------------------|-----------------------------|--|---|---|-------------|---|
| | QTY 32 | VALVE Keeper | YEARS 76-61 | PART NO. VK-140 | SIZE | DESCRIPTION |
| | QTY 8 | VALVE SEAT Int. | YEARS 76-61 | PART NO. 245-2250-1 | Std Only | DESCRIPTION Machine ID to fit; 2.2555" OD, 1.9375" ID, .1855" Depth |
| | QTY 16 | VALVE SPRING Spring | YEARS 76-61 | PART NO. FP-317365 | SIZE | DESCRIPTION Late Engs.; Incl. damper; 2.0500" Free Height |
| | QTY 8 8 | VALVE MISC. Rotocap Assy. Rotocap | YEARS 76-61 76-61 | PART NO. FP-RC126SA FP-443128 | SIZE | DESCRIPTION Exh.; Late Engs.; Incl. Rotocap & Valve Spring Exh.; Late Engs. |
| | QTY 16 16 16 16 | VALVE SEAL Valve Stem Seal O-Ring Valve Stem Seal Valve Stem Seal Bulk | YEARS 76-61 76-61 76-61 76-61 | PART NO. ST-2007 FP-111024 MV-1551 FP-111024B | SIZE | DESCRIPTION Positive type; Rubber From Ser. No. 139494; Rubber Late Engs.; O-Ring; Carton of 50; Rubber From Ser. No. 139494; O-Ring; Carton of 100; Rubber |
| CAMSHAFT GROUP | | | | | | |
| | QTY 1 1 | CAMSHAFT/LIFTER Camshaft Prelube | YEARS 76-61 76-61 | PART NO. CS-218 55-400 | SIZE | DESCRIPTION 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |
| ENGINE BLOCK & PARTS | | | | | | |
| | QTY 1 | GASKETS Oil Pan Gasket | YEARS 76-61 | PART NO. FP-448428 | SIZE | DESCRIPTION |
| | QTY 1 | GASKET SETS Kit Gasket Set | YEARS 76-61 | PART NO. 260-1115 | SIZE | DESCRIPTION Note: head gskt. requires retorque; Valve stem seals from Ser. No. 139494 not incl. |
| | QTY 1 | CAM BEARINGS Cam Set | YEARS 76-61 | PART NO. FP-448139 | SIZE STD | DESCRIPTION |
| CRANKSHAFT/OIL PUMP | | | | | | |
| | QTY 1 1 | SEALS - FRONT CRANK Redi-Sleeve Oil Seal | YEARS 76-61 76-61 | PART NO. 99248 7581H | SIZE | DESCRIPTION |
| | QTY 1 | SEALS - REAR CRANK Oil Seal Kit | YEARS 76-61 | PART NO. 5065 | SIZE | DESCRIPTION |

(continued on next page)

H/D Truck **FTV549, FTVS549, V549, VS549 Engs. 53**
9.0L 549 OHV V8 (16 Valve), 4.5" Bore 1961-76 (cont.)

CYLINDER COMPONENTS

| QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-------------------------|-------|-------------|------|---|
| 8 | Pin Bushing | 76-61 | 2199Y20 | | |
| QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rod Pair | 76-61 | FP-2195CP | STD | |
| 1 | Rod Pair | 76-61 | FP-2195CP10 | 10 | |
| QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Premium Set | 76-61 | FP-E308K | STD | Check piston grooving before supplying ring set; 2-3/32, 1-3/16 |

KITS

| RE-RING KIT | QTY | PREMIUM KIT NO. | QTY | ECONOMY KIT NO. |
|---|-----|-----------------|-----|-----------------|
| YEARS DESCRIPTION | | | | |
| 76-61 Note: head gskt. requires retorque; Valve stem seals Re-ring from Ser. No. 139494 not incl. | 1 | FP-205701 | | ----- |

M/D Truck **D150, D170, D190, DV550, DV550B Engs. H/D Truck D150, D170, D190, DV550, DV550B Engs. 54**
9.0L 549 OHV Diesel V8 (16 Valve), 4.5" Bore 1968-79

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------------|-------|------------|------|---|
| 32 | Keeper | 79-69 | FP-41339 | | 1 groove; Square cut key groove |
| 32 | Keeper | 79-69 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 32 | Keeper | 79-69 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 32 | Keeper, Bulk | 79-69 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | 79-69 | FP-317365 | | Incl. damper; 2.0500" Free Height |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | 79-69 | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | 79-69 | FP-443128 | | Exh. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | O-Ring | 79-69 | FP-111024 | | Rubber |
| 16 | Valve Stem Seal Bulk | 79-69 | FP-111024B | | O-Ring; Carton of 100; Rubber |

ENGINE BLOCK & PARTS

| QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|----------------|-------|-----------|------|-------------|
| 1 | Oil Pan Gasket | 79-69 | FP-448428 | | |
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | 79-69 | FP-448139 | STD | |

CRANKSHAFT/OIL PUMP

| QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------------------|-------|------------|------|--------------------------------------|
| 1 | Redi-Sleeve | 79-75 | 99248 | | |
| 1 | Oil Seal | 79-75 | 7581H | | |
| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Seal Kit | 79-75 | 5065 | | |
| 1 | Rear Main Seal Set | 79-69 | 260-6017 | | Rubber; One-piece; Wear sleeve incl. |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 79-69 | FP-5032M | STD | |
| 1 | Main Set | 79-69 | FP-5032M10 | 10 | |
| 1 | Main Set | 79-69 | FP-5032M20 | 20 | |
| 1 | Main Set | 79-69 | FP-5032M30 | 30 | |
| 4 | Plain Main Brg. | 79-69 | FP-480842 | STD | Position 1-2-4-5 |
| 4 | Plain Main Brg. | 79-69 | FP-480843 | 10 | Position 1-2-4-5 |
| 4 | Plain Main Brg. | 79-69 | FP-480844 | 20 | Position 1-2-4-5 |
| 4 | Plain Main Brg. | 79-69 | FP-480845 | 30 | Position 1-2-4-5 |
| 1 | Flanged Main Brg. | 79-69 | FP-448064 | STD | Position 3 |
| 1 | Flanged Main Brg. | 79-69 | FP-480847 | 10 | Position 3 |
| 1 | Flanged Main Brg. | 79-69 | FP-480848 | 20 | Position 3 |
| 1 | Flanged Main Brg. | 79-69 | FP-480849 | 30 | Position 3 |

55 M/D Truck V549, VS549 Engs. (LPG). H/D Truck V549, VS549 Engs. (LPG). 9.0L 549 OHV LPG V8 (16 Valve), 4.5" Bore

| CYL. HEAD & PARTS | | | | |
|----------------------|----------------------|------------|----------|---|
| QTY | VALVE | PART NO. | SIZE | DESCRIPTION |
| 32 | Keeper | VK-140 | | |
| QTY | VALVE SEAT | PART NO. | SIZE | DESCRIPTION |
| 8 | Int. | 245-2250-1 | Std Only | Machine ID to fit; 2.2555" OD, 1.9375" ID, .1855" Depth |
| QTY | VALVE SPRING | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | FP-317365 | | Late Engs.; Incl. damper; 2.0500" Free Height |
| QTY | VALVE SEAL | PART NO. | SIZE | DESCRIPTION |
| 16 | Valve Stem Seal | ST-2007 | | Positive type; Rubber |
| 16 | O-Ring | FP-111024 | | From Ser. No. 139494; Rubber |
| 16 | Valve Stem Seal | MV-1551 | | Late Engs.; O-Ring; Carton of 50; Rubber |
| 16 | Valve Stem Seal Bulk | FP-111024B | | From Ser. No. 139494; O-Ring; Carton of 100; Rubber |
| CAMSHAFT GROUP | | | | |
| QTY | CAMSHAFT/LIFTER | PART NO. | SIZE | DESCRIPTION |
| 1 | Camshaft | CS-218 | | |
| 1 | Prelube | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |
| ENGINE BLOCK & PARTS | | | | |
| QTY | GASKETS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Pan Gasket | FP-448428 | | |
| QTY | GASKET SETS | PART NO. | SIZE | DESCRIPTION |
| 1 | Kit Gasket Set | 260-1115 | | Note: head gskt. requires retorque; Valve stem seals from Ser. No. 139494 not incl. |
| QTY | CAM BEARINGS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | FP-448139 | STD | |
| CYLINDER COMPONENTS | | | | |
| QTY | PISTONS | PART NO. | SIZE | DESCRIPTION |
| 8 | Pin Bushing | 2199Y20 | | |



9.0L Engine

Global Technology Behind Every Part

Overview

The 9.0 LITER diesel engine was first introduced in 1983. It is used in On-Highway truck and bus applications.

The 9.0L can be identified by the permanent engine number stamped on the right bank, upper front of the engine.

Engine Type Diesel, 4-cycle

Configuration..... V8

Displacement 551 cu. In. (9.0 Liters)

Bore and Stroke 4.510 x 4.313 in.
(114.6 x 109.6 mm)

Combustion System..... Direct Injection

Total Engine Weight (Dry)..... 1270 lb. (576 kg)

9.0L Re-Ring Kit

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|------------------|---------------|------|-----------|---------------------------|------------------|
| FP-RR-9.0 | FP-434466 | 8 | Std. | Ring Set, Single Cylinder | |
| | FP-434467 | 8 | 10 | Ring Set, Single Cylinder | |
| | FP-434468 | 8 | 20 | Ring Set, Single Cylinder | |
| | FP-434469 | 8 | 30 | Ring Set, Single Cylinder | |
| | FP-1700248 | 8 | Std. | Rod Bearing Pair | |
| | FP-1700702 | 8 | 10 | Rod Bearing Pair | |
| | FP-1700703 | 8 | 20 | Rod Bearing Pair | |
| | FP-1700704 | 8 | 30 | Rod Bearing Pair | |
| | FP-5032M | 1 | Std. | Main Bearing Set | |
| | FP-5032M 10 | 1 | 10 | Main Bearing Set | |
| | FP-5032M 20 | 1 | 20 | Main Bearing Set | |
| | FP-5032M 30 | 1 | 30 | Main Bearing Set | |
| | FP-448428 | 1 | | Oil Pan Gasket Set | |
| | FP-1814913 | 1 | | Head Gasket Set | |



9.0L Engine

Global Technology Behind Every Part

9.0L In-Frame Overhaul

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|------------|---------------|------|-----------|--------------------------------|------------------|
| FP-IFK-9.0 | FP-1700236-WR | 8 | Std. | Piston w/Pin, Retainer & Rings | |
| | FP-1700237-WR | 8 | 10 | Piston w/Pin, Retainer & Rings | |
| | FP-1700238-WR | 8 | 20 | Piston w/Pin, Retainer & Rings | |
| | FP-1700239-WR | 8 | 30 | Piston w/Pin, Retainer & Rings | |
| | FP-1700248 | 8 | Std. | Rod Bearing Pair | |
| | FP-1700702 | 8 | 10 | Rod Bearing Pair | |
| | FP-1700703 | 8 | 20 | Rod Bearing Pair | |
| | FP-1700704 | 8 | 30 | Rod Bearing Pair | |
| | FP-5032M | 1 | Std. | Main Bearing Set | |
| | FP-5032M 10 | 1 | 10 | Main Bearing Set | |
| | FP-5032M 20 | 1 | 20 | Main Bearing Set | |
| | FP-5032M 30 | 1 | 30 | Main Bearing Set | |
| | FP-448428 | 1 | | Oil Pan Gasket Set | |
| | FP-1814913 | 1 | | Head Gasket Set | |

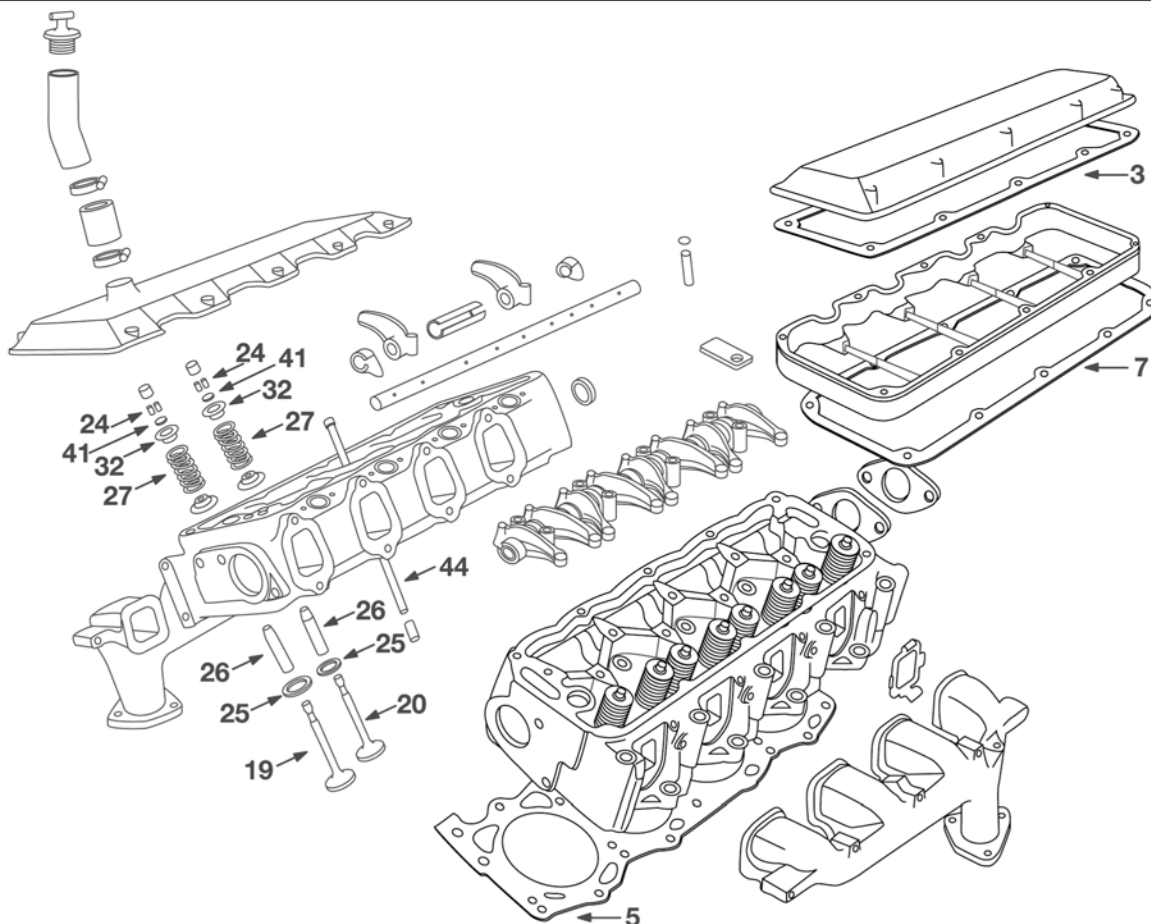
9.0L Complete Overhaul

| KIT NUMBER | COMPONENT NO. | QTY. | PART SIZE | PART DESCRIPTION | PART APPLICATION |
|---------------|---------------|------|-----------|--------------------------------|------------------|
| FP-IFK-9.0-OH | FP-1700236-WR | 8 | Std. | Piston w/Pin, Retainer & Rings | |
| | FP-1700237-WR | 8 | 10 | Piston w/Pin, Retainer & Rings | |
| | FP-1700238-WR | 8 | 20 | Piston w/Pin, Retainer & Rings | |
| | FP-1700239-WR | 8 | 30 | Piston w/Pin, Retainer & Rings | |
| | FP-1700248 | 8 | Std. | Rod Bearing Pair | |
| | FP-1700702 | 8 | 10 | Rod Bearing Pair | |
| | FP-1700703 | 8 | 20 | Rod Bearing Pair | |
| | FP-1700704 | 8 | 30 | Rod Bearing Pair | |
| | FP-5032M | 1 | Std. | Main Bearing Set | |
| | FP-5032M 10 | 1 | 10 | Main Bearing Set | |
| | FP-5032M 20 | 1 | 20 | Main Bearing Set | |
| | FP-5032M 30 | 1 | 30 | Main Bearing Set | |
| | FP-1700549 | 1 | | Lower Gasket Set | |
| | FP-1814913 | 1 | | Head Gasket Set | |



M/D Truck 9.0L Diesel Eng. H/D Truck 9.0L Diesel Eng. 56
9.0L 551 OHV Diesel V8 (16 Valve), 4.5" Bore 1980-88

CYL. HEAD & PARTS

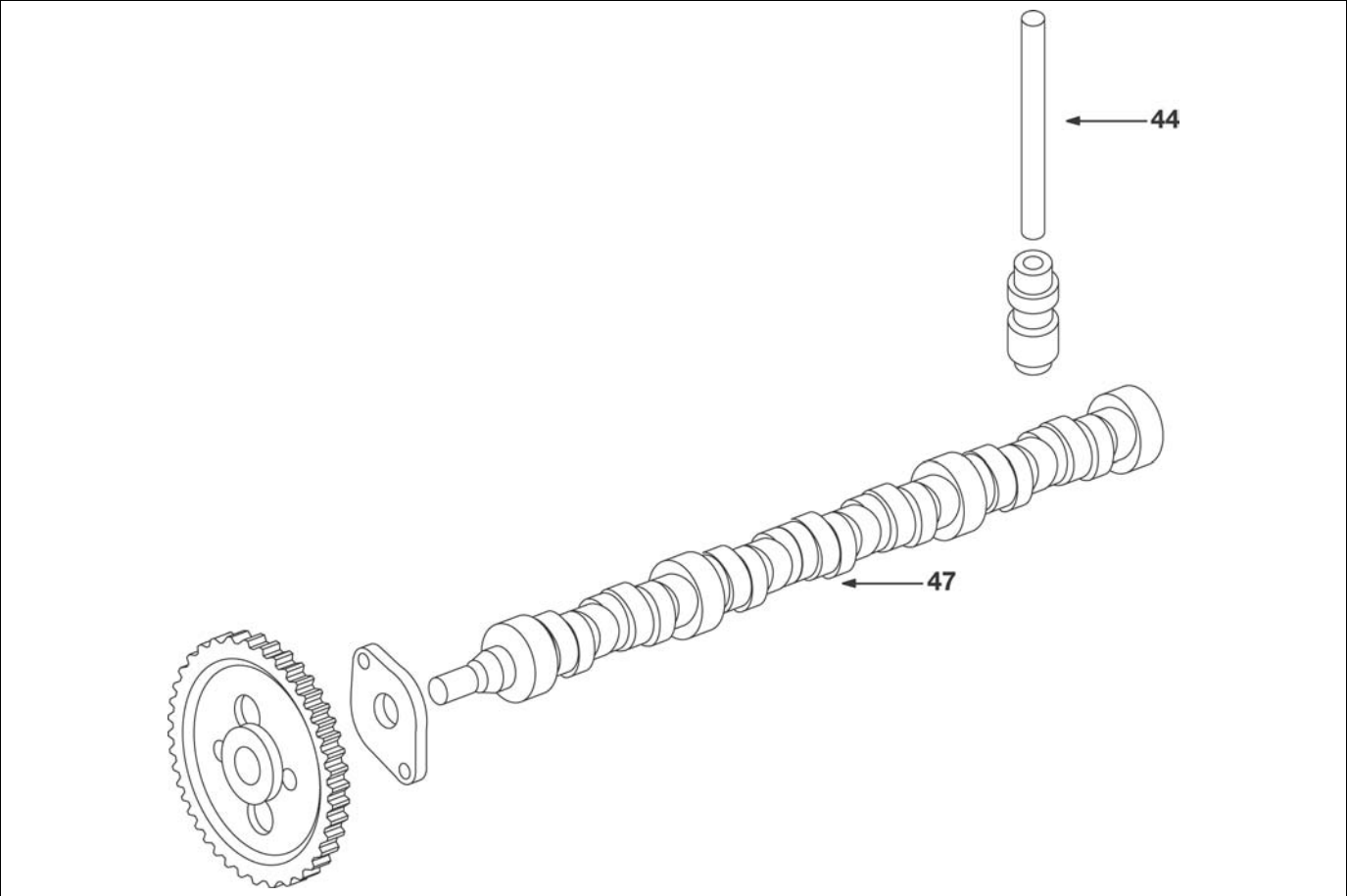


| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------------|-------|------------|------|---|
| 3 | 2 | Valve Cover Gasket | 88-80 | FP-489105 | | |
| 5 | 2 | Head Gasket | 88-80 | FP-1813654 | | |
| | 1 | Head Set | 88-80 | FP-1814913 | | |
| 7 | 2 | Cylinder Head Extension Gskt. | 88-80 | FP-489104 | | |
| REF # | QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 8 | Intake | 88-80 | FP-489101 | | |
| 20 | 8 | Exhaust | 88-80 | FP-1701325 | | |
| 24 | 32 | Keeper | 88-80 | FP-41339 | | 1 groove; Square cut key groove |
| 24 | 32 | Keeper | 88-80 | VK-138 | | 1 groove; Square cut key groove; Carton pack 32 |
| 24 | 32 | Keeper | 88-80 | VK-138R | | 1 groove; Square cut key groove; Hardened |
| 24 | 32 | Keeper, Bulk | 88-80 | VK-138B | | 1 groove; Square cut key groove; Carton of 1000 |
| REF # | QTY | VALVE SEAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 25 | 8 | Exh. | 88-80 | FP-1700609 | 2 | |
| 25 | 8 | Int. | 88-80 | FP-1700591 | 2 | |
| REF # | QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 26 | 16 | Guide | 88-80 | FP-428046 | | Exh. & Int.; .3753" ID, 2.9600" O.A.L. |
| REF # | QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 16 | Spring | 88-80 | FP-317365 | | Incl. damper; 2.0500" Free Height |
| REF # | QTY | PUSH RODS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 44 | 16 | Push Rod | 88-80 | FP-280623 | | 10.6400" O.A.L. |
| REF # | QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 32 | 8 | Rotocap Assy. | 88-80 | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |
| 32 | 8 | Rotocap | 88-80 | FP-443128 | | Exh. |
| REF # | QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 41 | 16 | O-Ring | 88-80 | FP-111024 | | Rubber |
| 41 | 16 | Valve Stem Seal Bulk | 88-80 | FP-111024B | | O-Ring; Carton of 100; Rubber |

(continued on next page)

56 M/D Truck 9.0L Diesel Eng. H/D Truck 9.0L Diesel Eng.
(cont.) 9.0L 551 OHV Diesel V8 (16 Valve), 4.5" Bore 1980-88

CAMSHAFT GROUP



| REF # | QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-----------------|-------|-----------|------|---|
| 47 | 1 | Camshaft | 88-80 | FP-489172 | | |
| | 1 | Prelube | 88-80 | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |

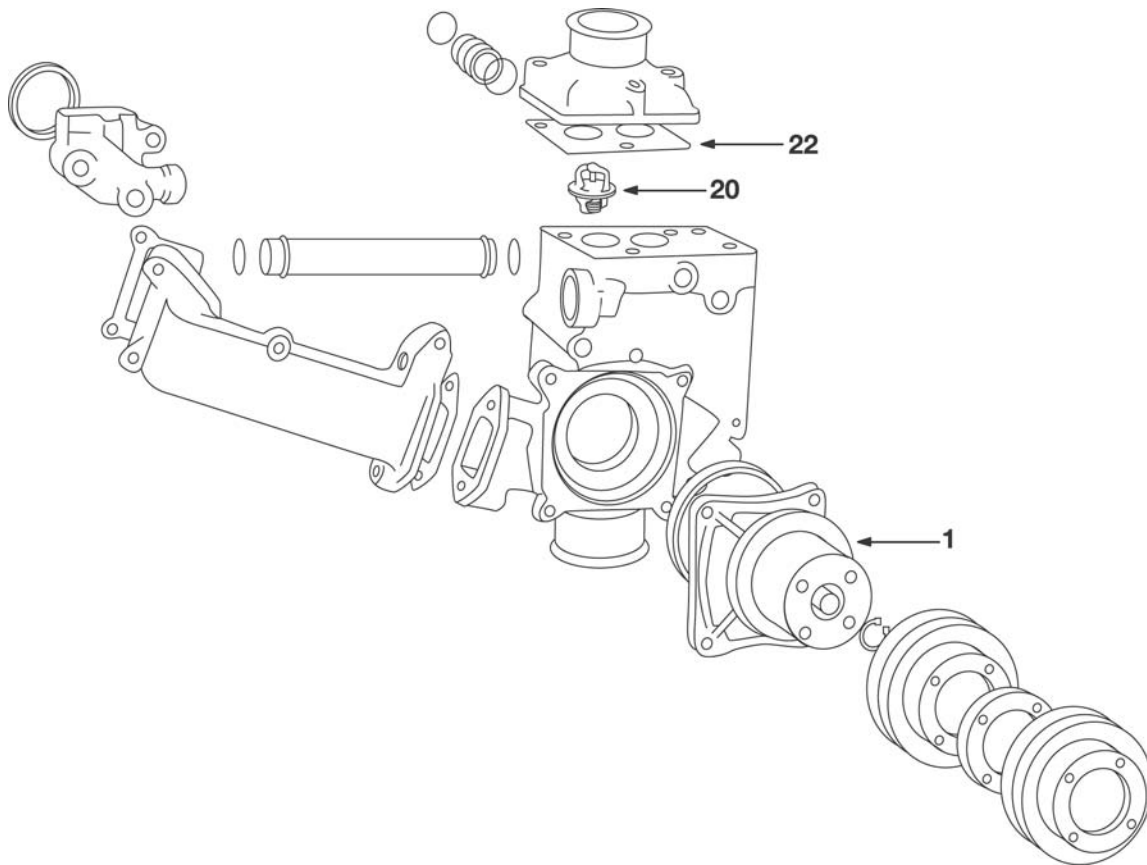
FUEL SYSTEM & PARTS

| | QTY | FUEL INJECTION | YEARS | PART NO. | SIZE | DESCRIPTION |
|--|-----|---------------------|-------|-----------|------|-------------------|
| | 8 | Fuel Injector Seal | 88-80 | FP-489120 | | |
| | QTY | FUEL FILTERS & PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | O-Ring | 88-80 | FP-489256 | | Inj. to cyl. head |

(continued on next page)

M/D Truck 9.0L Diesel Eng. H/D Truck 9.0L Diesel Eng. **56**
 9.0L 551 OHV Diesel V8 (16 Valve), 4.5" Bore 1980-88 (cont.)

COOLING SYSTEM

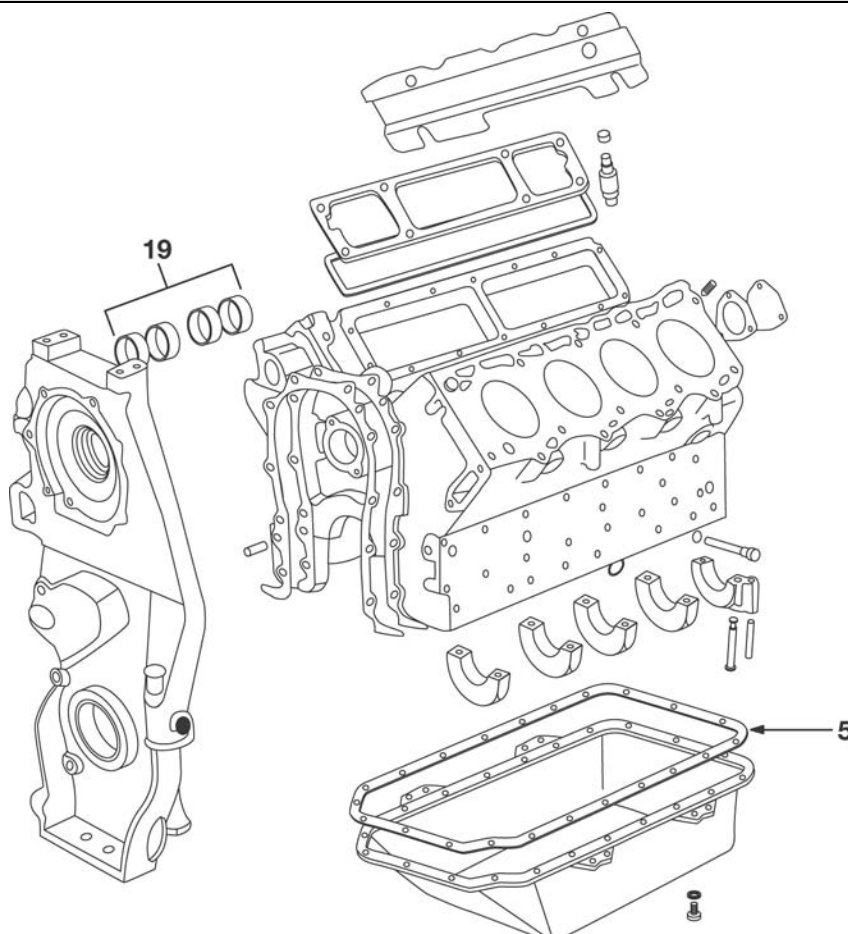


| REF # | QTY | WATER PUMP | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------|-------|------------|------|-------------|
| 1 | 1 | Water Pump - Heavy Duty | 88-80 | FP-1700594 | | |
| REF # | QTY | THERMOSTAT | YEARS | PART NO. | SIZE | DESCRIPTION |
| 20 | 1 | Thermostat | 88-80 | FP-446437 | | 180 Deg. |
| 22 | 1 | Thermostat Gasket | 88-80 | FP-489193 | | |

(continued on next page)

56 *M/D Truck 9.0L Diesel Eng. H/D Truck 9.0L Diesel Eng.*
 (cont.) 9.0L 551 OHV Diesel V8 (16 Valve), 4.5" Bore 1980-88

ENGINE BLOCK & PARTS

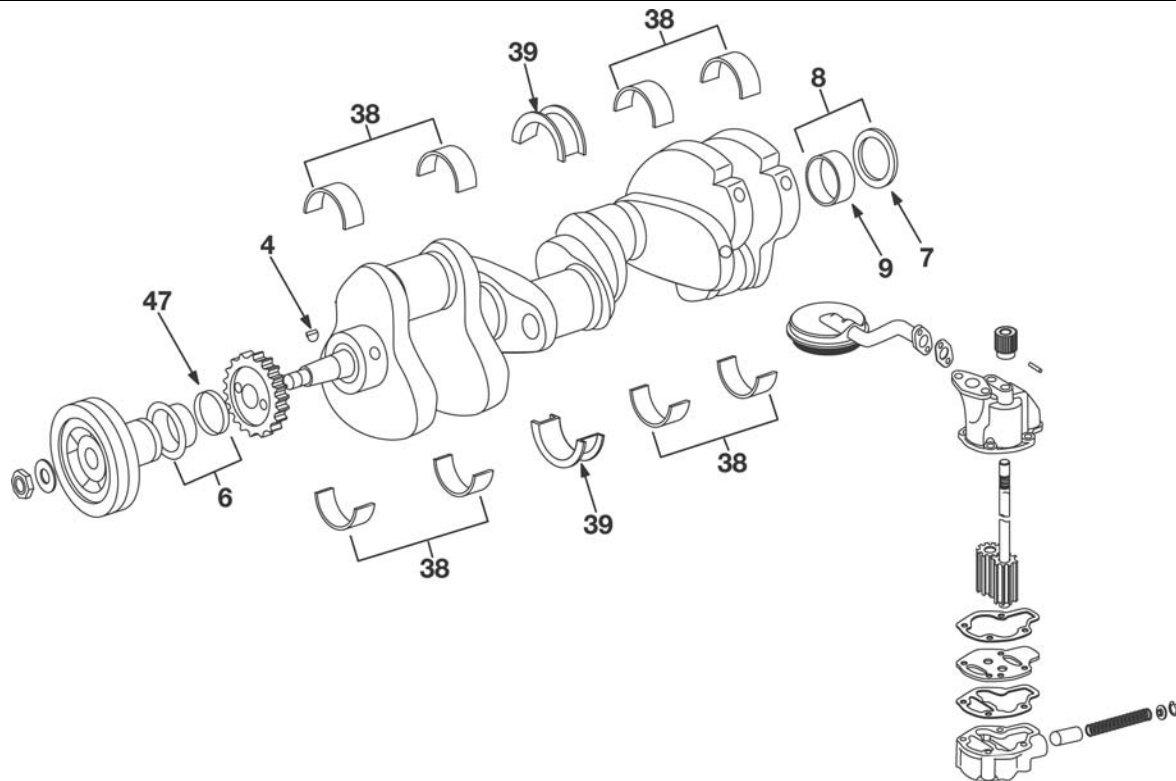


| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-----------------------|-------|------------|------|-------------|
| 5 | 1 | Oil Pan Gasket | 88-80 | FP-448428 | | |
| REF # | QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | 1 | Lower Gasket Set | 88-80 | FP-1700549 | | |
| REF # | QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 1 | Cam Set | 88-80 | FP-448139 | STD | |
| REF # | QTY | OIL COOLERS & FILTERS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | 1 | Oil Cooler Gasket | 88-80 | FP-448427 | | |

(continued on next page)

M/D Truck 9.0L Diesel Eng. H/D Truck 9.0L Diesel Eng. **56**
9.0L 551 OHV Diesel V8 (16 Valve), 4.5" Bore 1980-88 (cont.)

CRANKSHAFT/OIL PUMP

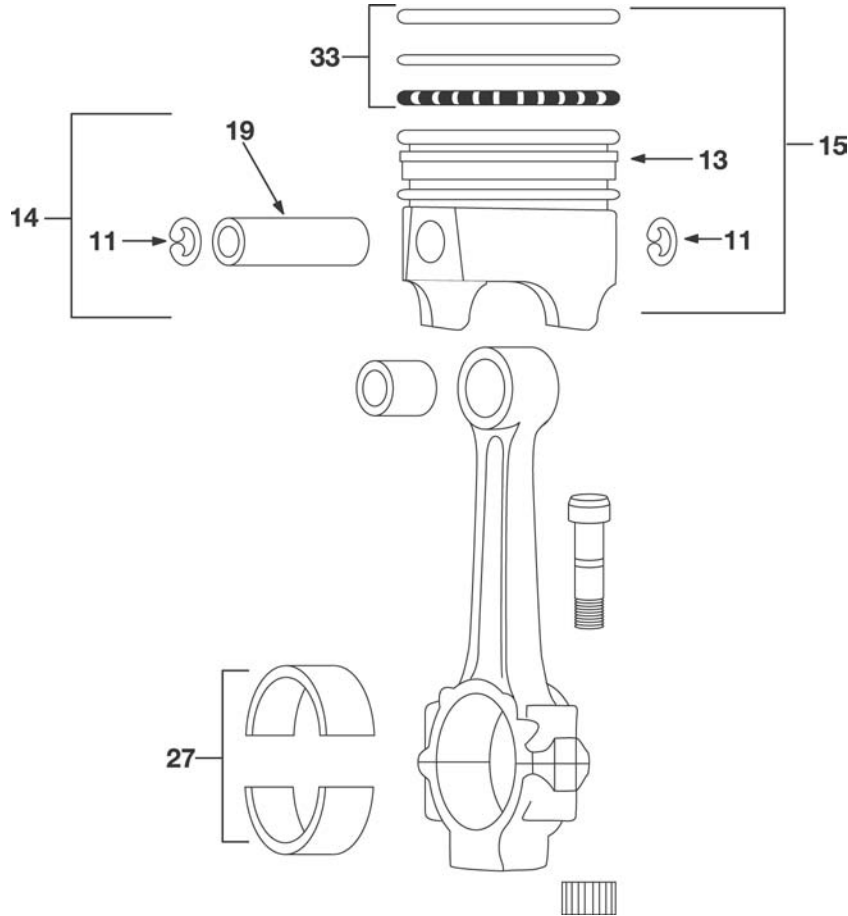


| REF # | QTY | CRANKSHAFT | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|---------------------|-------|------------|------|--------------------------------------|
| 4 | 1 | Woodruff Key | 88-80 | FP-218211 | | Position Crank gear; 1/4" x 3/4" |
| REF # | QTY | SEALS - FRONT CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 47 | 1 | Oil Seal | 88-80 | FP-1804009 | | Viton® |
| 6 | 1 | Oil Seal Kit | 88-80 | FP-1808751 | | |
| 6 | 1 | Oil Seal Kit | 88-80 | 5064 | | (Seal & Sleeve) |
| REF # | QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 7 | 1 | Oil Seal | 88-80 | FP-317749 | | To Ser. No. 79883 |
| 8 | 1 | Oil Seal Kit | 88-80 | 5065 | | |
| 8 | 1 | Rear Main Seal Set | 88-80 | 260-6017 | | Rubber; One-piece; Wear sleeve incl. |
| 9 | 1 | Redi-Sleeve | 88-80 | FP-1810508 | | |
| REF # | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| | 1 | Main Set | 88-80 | FP-5032M | STD | |
| | 1 | Main Set | 88-80 | FP-5032M10 | 10 | |
| | 1 | Main Set | 88-80 | FP-5032M20 | 20 | |
| | 1 | Main Set | 88-80 | FP-5032M30 | 30 | |
| 38 | 4 | Plain Main Brg. | 88-80 | FP-480842 | STD | Position 1-2-4-5 |
| 38 | 4 | Plain Main Brg. | 88-80 | FP-480843 | 10 | Position 1-2-4-5 |
| 38 | 4 | Plain Main Brg. | 88-80 | FP-480844 | 20 | Position 1-2-4-5 |
| 38 | 4 | Plain Main Brg. | 88-80 | FP-480845 | 30 | Position 1-2-4-5 |
| 39 | 1 | Flanged Main Brg. | 88-80 | FP-448064 | STD | Position 3 |
| 39 | 1 | Flanged Main Brg. | 88-80 | FP-480847 | 10 | Position 3 |
| 39 | 1 | Flanged Main Brg. | 88-80 | FP-480848 | 20 | Position 3 |
| 39 | 1 | Flanged Main Brg. | 88-80 | FP-480849 | 30 | Position 3 |

(continued on next page)

56 M/D Truck 9.0L Diesel Eng. H/D Truck 9.0L Diesel Eng. (cont.) 9.0L 551 OHV Diesel V8 (16 Valve), 4.5" Bore 1980-88

CYLINDER COMPONENTS



| REF # | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------------|-------|--------------|------|------------------------|
| 13 | 8 | Piston Body w/o Pin | 88-80 | FP-1700203 | STD | |
| 13 | 8 | Piston Body w/o Pin | 88-80 | FP-1700233 | 10 | |
| 13 | 8 | Piston Body w/o Pin | 88-80 | FP-1700234 | 20 | |
| 13 | 8 | Piston Body w/o Pin | 88-80 | FP-1700235 | 30 | |
| 14 | 8 | Piston Kit w/Pin & Retainers | 88-80 | FP-1700236 | STD | |
| 14 | 8 | Piston Kit w/Pin & Retainers | 88-80 | FP-1700237 | 10 | |
| 14 | 8 | Piston Kit w/Pin & Retainers | 88-80 | FP-1700238 | 20 | |
| 14 | 8 | Piston Kit w/Pin & Retainers | 88-80 | FP-1700239 | 30 | |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 88-80 | FP-1700236WR | STD | |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 88-80 | FP-1700237WR | 10 | |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 88-80 | FP-1700238WR | 20 | |
| 15 | 8 | Piston w/Pin, Retainer, Rings | 88-80 | FP-1700239WR | 30 | |
| 19 | 8 | Pin | 88-80 | FP-427231 | | |
| 11 | 16 | Piston Pin Retainer | 88-80 | FP-160094 | | |
| REF # | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 8 | Rod Pair | 88-80 | FP-1700248 | STD | |
| 27 | 8 | Rod Pair | 88-80 | FP-1700702 | 10 | |
| 27 | 8 | Rod Pair | 88-80 | FP-1700703 | 20 | |
| 27 | 8 | Rod Pair | 88-80 | FP-1700704 | 30 | |
| REF # | QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 33 | 8 | Ring Set Single Cylinder | 88-80 | FP-434466 | STD | |
| 33 | 8 | Ring Set Single Cylinder | 88-80 | FP-434467 | 10 | |
| 33 | 8 | Ring Set Single Cylinder | 88-80 | FP-434468 | 20 | |
| 33 | 8 | Ring Set Single Cylinder | 88-80 | FP-434469 | 30 | |
| 33 | 1 | Premium Set | 88-80 | FP-434467S | 10 | |
| 33 | 1 | Premium Set | 88-80 | FP-434466S | STD | 1-1/8, 1-3/32, 1-.1865 |
| 33 | 1 | Premium Set | 88-80 | FP-434468S | 20 | 1-1/8, 1-3/32, 1-.1865 |
| 33 | 1 | Premium Set | 88-80 | FP-434469S | 30 | 1-1/8, 1-3/32, 1-.1865 |

(continued on next page)

M/D Truck 9.0L Diesel Eng. H/D Truck 9.0L Diesel Eng. 56
9.0L 551 OHV Diesel V8 (16 Valve), 4.5" Bore 1980-88 (cont.)

CYLINDER COMPONENTS (cont.)

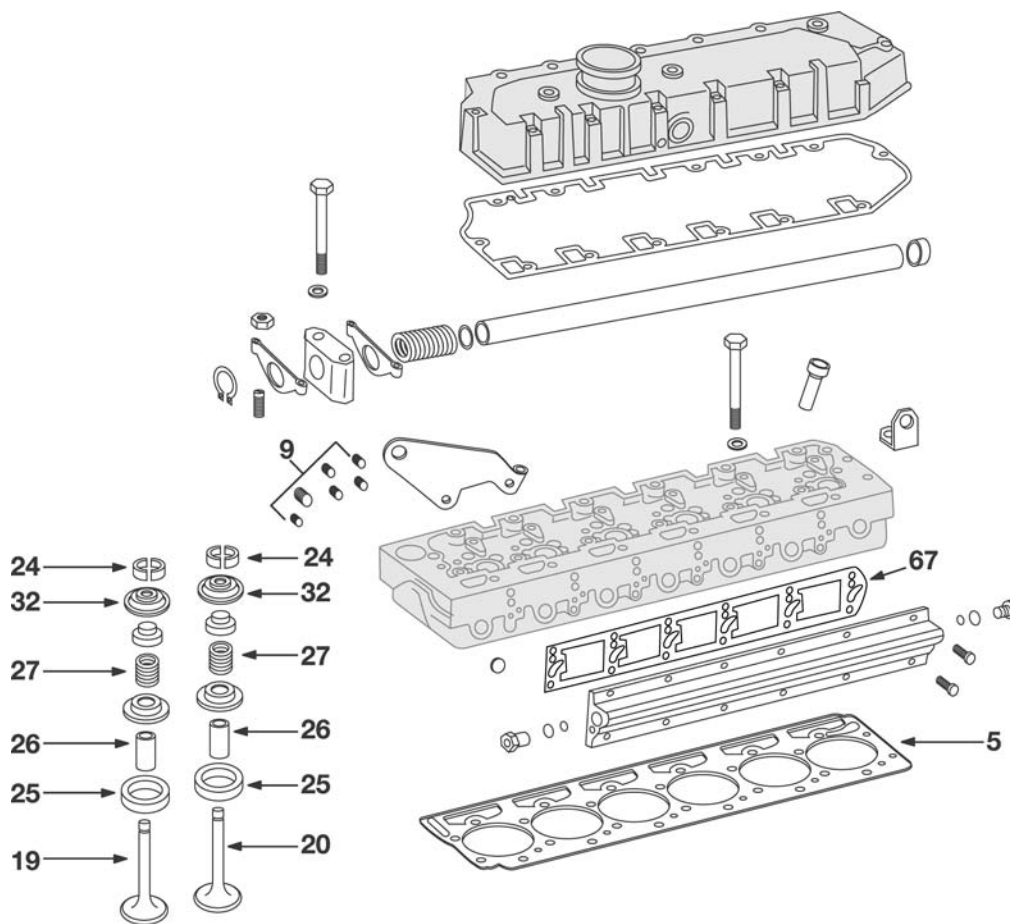
| REF # | QTY | PISTON RINGS (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-----------------------------|-------|-----------------------|------|---|
| | 8 | Premium Single Cylinder Set | 88-80 | W-10333KX + Std-20-30 | | 1-1/8, 1-3/32, 1-.1865; When depleted use FP-434466 |

KITS

| QTY | OVERHAUL KIT | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|-----------------------|-------|----------|------|-------------|
| 1 | In-Frame Overhaul Kit | 88-80 | FP-IFK90 | | |

M/D Truck DT570 Eng. H/D Truck DT570 Eng. 57
9.3L 570 OHV Turbo-Diesel L6 (Intercooled), 4.587" Bore 2004-2007

CYL. HEAD & PARTS

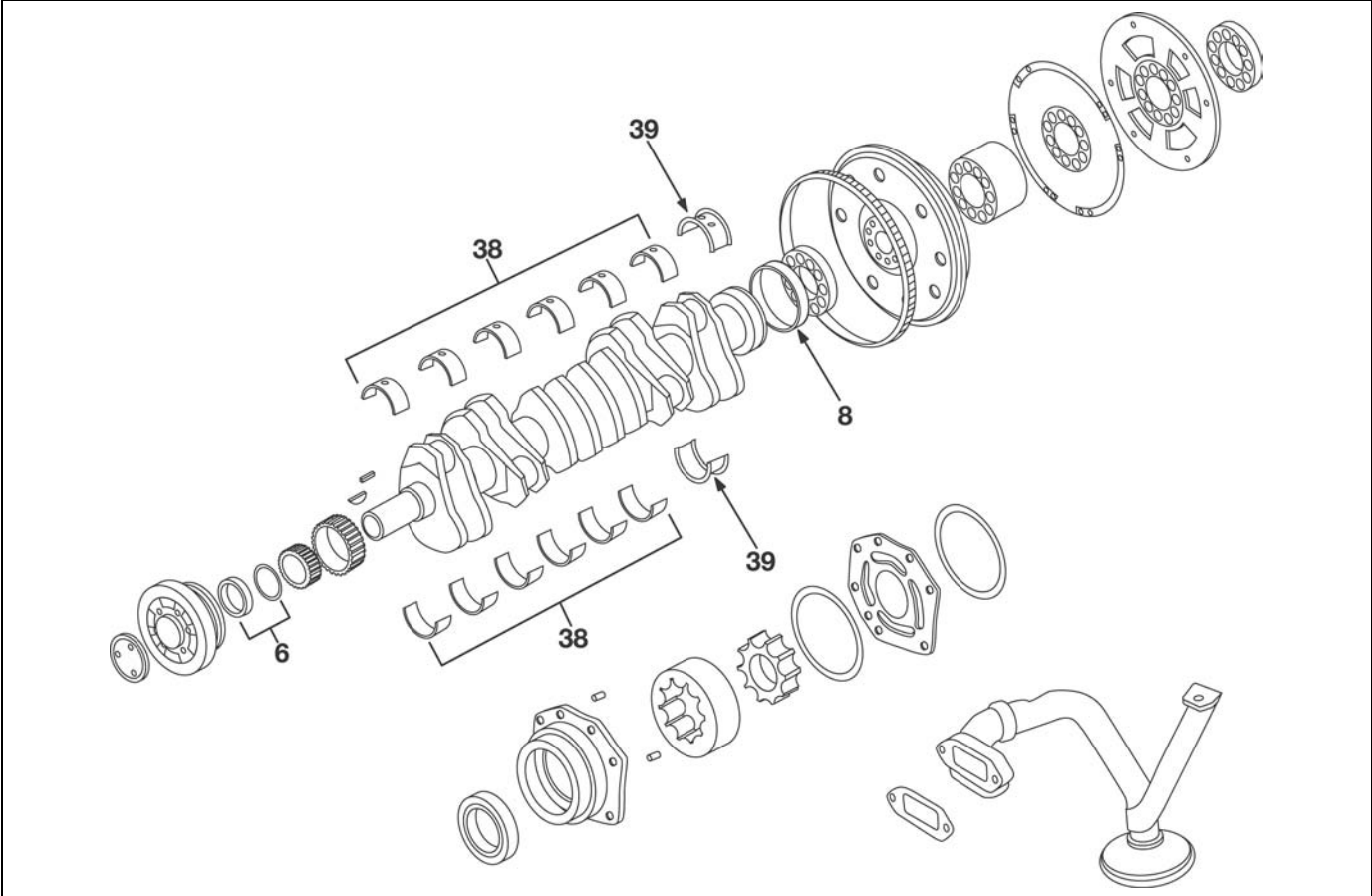


| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|----------|-------|--------------|------|---|
| | 1 | Head Set | 07 | FP-1889247 * | | Use w/One-piece Steel Pistons |
| | 1 | Head Set | 07 | FP-1876103 + | | Use w/One-piece Steel Pistons; When depleted use FP-1889247 |
| | 1 | Head Set | 07-04 | FP-1842648 * | | Use w/Articulated Pistons |

(continued on next page)

57 M/D Truck DT570 Eng. H/D Truck DT570 Eng.
(cont.) 9.3L 570 OHV Turbo-Diesel L6 (Intercooled), 4.587" Bore 2004-2007

CRANKSHAFT/OIL PUMP

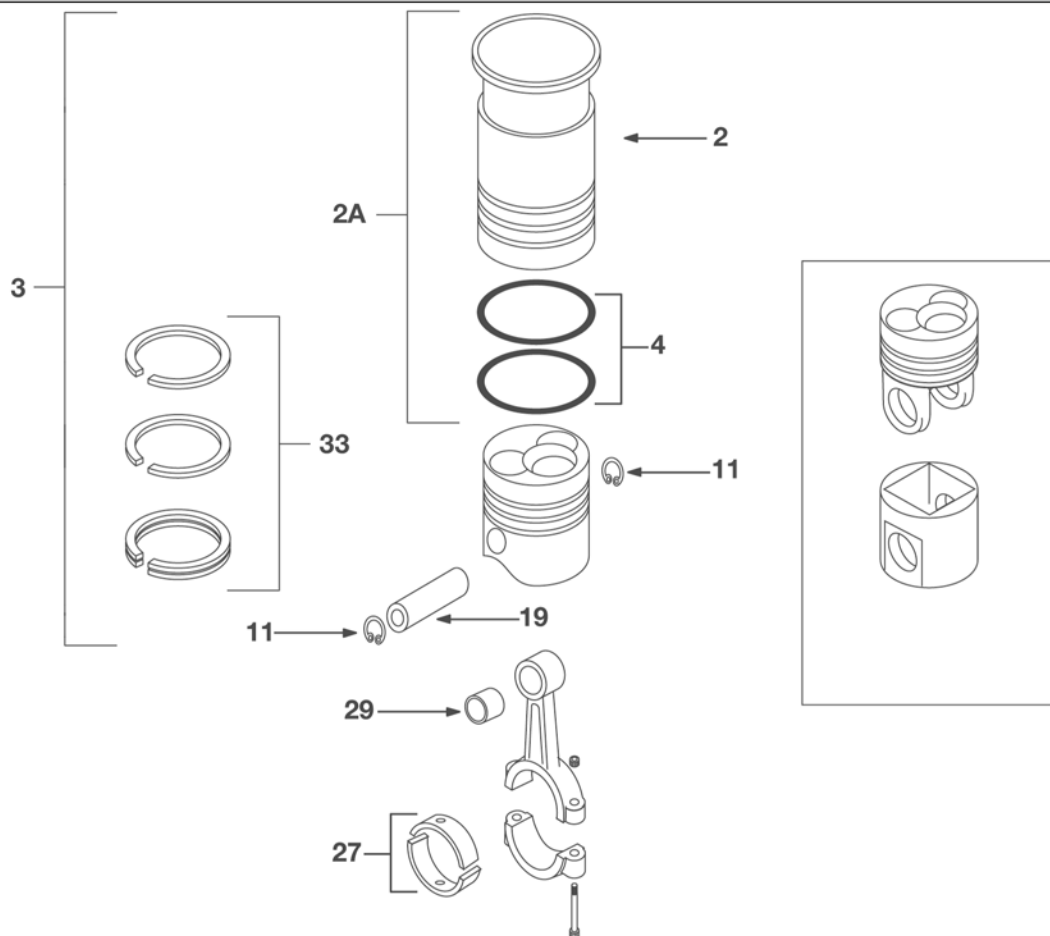


| REF # | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------|-------|--------------|------|-------------|
| 38 | 6 | Plain Main Brg. | 07-04 | FP-1842566 * | STD | |
| 39 | 1 | Flanged Main Brg. | 07-04 | FP-1842567 * | STD | |

(continued on next page)

M/D Truck DT570 Eng. H/D Truck DT570 Eng. **57**
 9.3L 570 OHV Turbo-Diesel L6 (Intercooled), 4.587" Bore 2004-2007 (cont.)

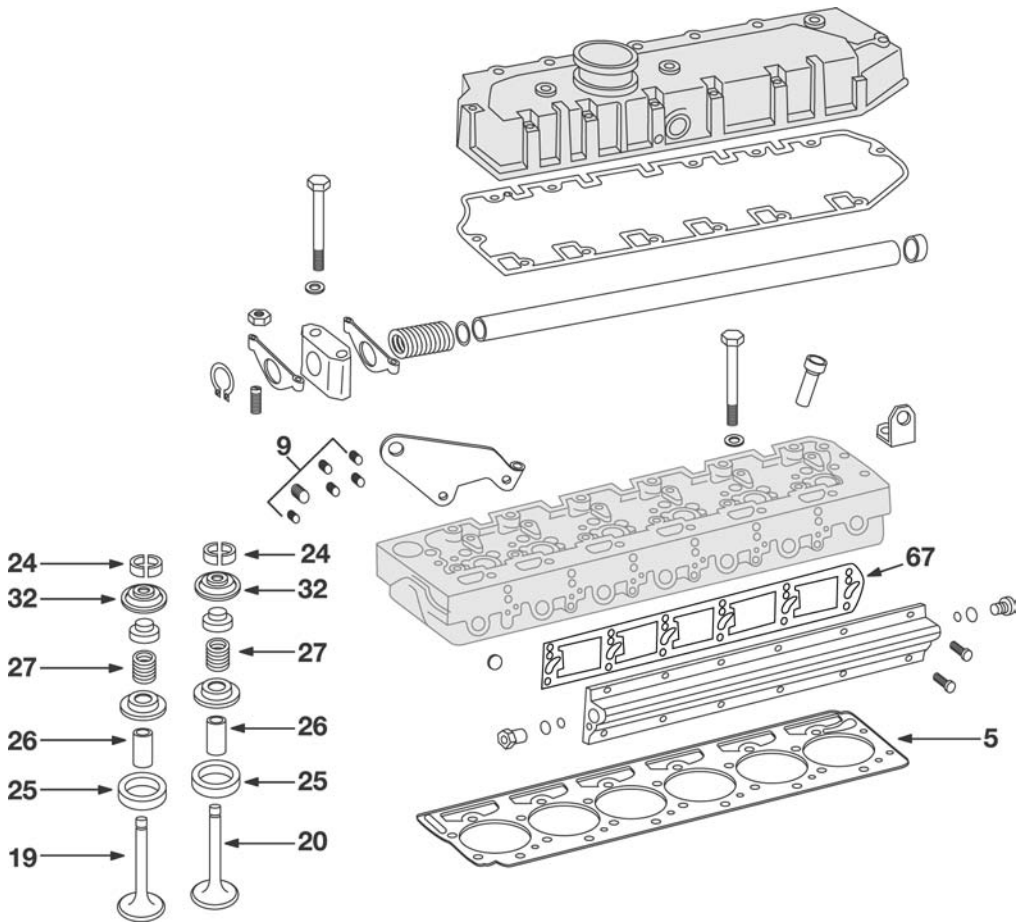
CYLINDER COMPONENTS



| REF # | QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------|-------|--------------|------|--|
| 2 | 6 | Liner w/o Sealing Ring | 07-04 | FP-1841326 | STD | |
| 2A | 6 | Liner w/Sealing Rings | 07-04 | FP-1842553 | STD | |
| 3 | 6 | Cylinder Kit Complete | 07-04 | FP-1842557 * | STD | Eng. Ser. No. 2000000 & above; From 2/16/04 - 2007; Incl. Articulated Piston |
| 4 | 6 | Sealing Ring, Liner | 07-04 | FP-1842115 | | PTFE |
| REF # | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 6 | Pin | 07-04 | FP-1874253 * | | For Articulated Pistons only |
| REF # | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 6 | Rod Pair | 07-04 | FP-1842570 | STD | |
| REF # | QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 33 | 6 | Premium Set | 07-04 | FP-1842552 * | | Eng. Ser. No. 2000000 & above; From 2/16/04 - 2007; For Articulated Pistons only |

58 *M/D Truck HT570 Eng. H/D Truck HT570 Eng.*
9.3L 570 OHV Turbo-Diesel L6 (Intercooled), 4.587" Bore 2004-2007

CYL. HEAD & PARTS

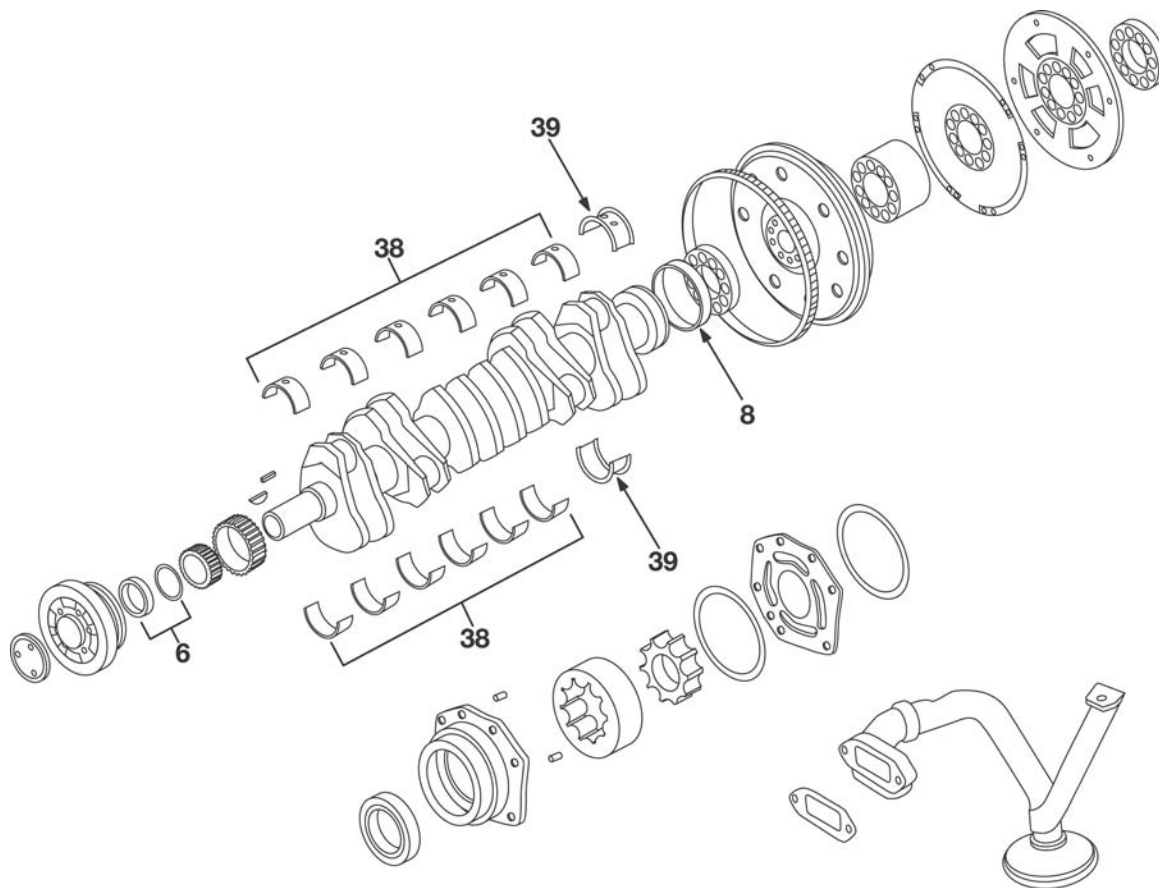


| REF # | QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|----------|-------|--------------|------|---|
| | 1 | Head Set | 07 | FP-1889247 * | | Use w/One-piece Steel Pistons |
| | 1 | Head Set | 07 | FP-1876103 + | | Use w/One-piece Steel Pistons; When depleted use FP-1889247 |
| | 1 | Head Set | 07-04 | FP-1842648 * | | Use w/Articulated Pistons |

(continued on next page)

M/D Truck HT570 Eng. H/D Truck HT570 Eng. **58**
 9.3L 570 OHV Turbo-Diesel L6 (Intercooled), 4.587" Bore 2004-2007 (cont.)

CRANKSHAFT/OIL PUMP

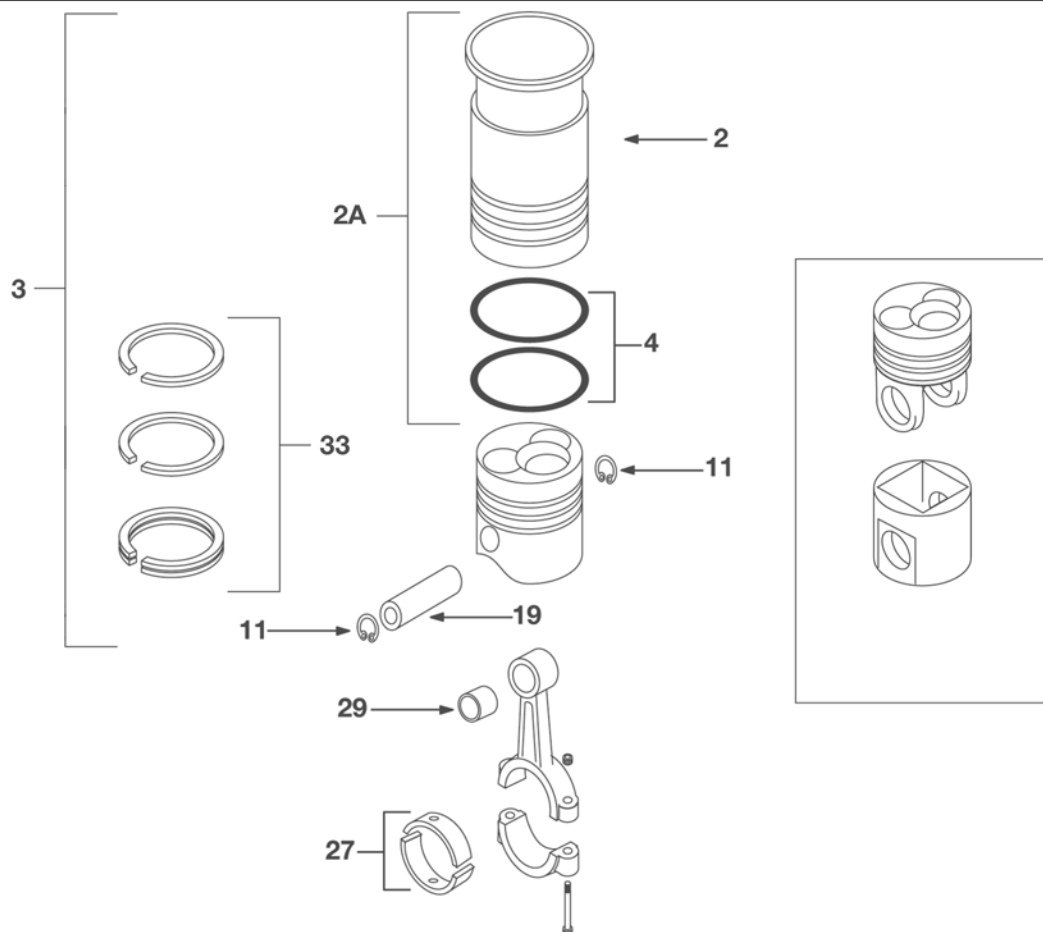


| REF # | QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------|-------|--------------|------|-------------|
| 38 | 6 | Plain Main Brg. | 07-04 | FP-1842566 * | STD | |
| 39 | 1 | Flanged Main Brg. | 07-04 | FP-1842567 * | STD | |

(continued on next page)

58 M/D Truck HT570 Eng. H/D Truck HT570 Eng. (cont.) 9.3L 570 OHV Turbo-Diesel L6 (Intercooled), 4.587" Bore 2004-2007

CYLINDER COMPONENTS



| REF # | QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
|-------|-----|-------------------------|-------|--------------|------|--|
| 2 | 6 | Liner w/o Sealing Ring | 07-04 | FP-1841326 | STD | |
| 2A | 6 | Liner w/Sealing Rings | 07-04 | FP-1842553 | STD | |
| 3 | 6 | Cylinder Kit Complete | 07-04 | FP-1842557 * | STD | Eng. Ser. No. 2000000 & above; From 2/16/04 - 2007; Incl. Articulated Piston |
| 4 | 6 | Sealing Ring, Liner | 07-04 | FP-1842115 | | PTFE |
| REF # | QTY | PISTONS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 19 | 6 | Pin | 07-04 | FP-1874253 * | | For Articulated Pistons only |
| REF # | QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 27 | 6 | Rod Pair | 07-04 | FP-1842570 | STD | |
| REF # | QTY | PISTON RINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 33 | 6 | Premium Set | 07-04 | FP-1842552 * | | Eng. Ser. No. 2000000 & above; From 2/16/04 - 2007; For Articulated Pistons only |

59 H/D Truck DV573, DVT573, DVT573B, DVTI573B Engs. 9.4L 573 OHV Diesel V8 (16 Valve), 4.5" Bore 1968-71

CYL. HEAD & PARTS

| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|---------|-------|-----------|------|---|
| 8 | Exhaust | 71-68 | FP-V2158X | STD | From Ser. No. 2330; 1.7000" Head Dia., .4351" Stem Dia., 6.6240" O.A.L. |

CRANKSHAFT/OIL PUMP

| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
|-----|--------------------|-------|------------|------|--------------------------|
| 1 | Oil Seal Kit | 71-68 | FP-1809964 | | Incl. seal & wear sleeve |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 71-68 | FP-5084M | STD | |
| 1 | Main Set | 71-68 | FP-5084M10 | 10 | |

(continued on next page)

| H/D Truck DV573, DVT573, DVT573B, DVTI573B Engs. 59 9.4L 573 OHV Diesel V8 (16 Valve), 4.5" Bore 1968-71 (cont.) | | | | | |
|--|-------------------------|-------|-------------|------|---|
| CRANKSHAFT/OIL PUMP (cont.) | | | | | |
| QTY | MAIN BEARINGS (cont.) | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 71-68 | FP-5084M20 | 20 | |
| CYLINDER COMPONENTS | | | | | |
| QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Liner w/Sealing Rings | 71-68 | FP-SO2443 | | From Ser. No. 2330; Incl. (3) FP-SLR2443 sealing rings. |
| 8 | Sleeve Assy. | 71-68 | FP-SL2444 | | From Ser. No. 2330 |
| QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rod Pair | 71-68 | FP-3210CP | STD | |
| 8 | Rod Pair | 71-68 | FP-3210CP10 | 10 | |
| 8 | Rod Pair | 71-68 | FP-3210CP20 | 20 | |
| 8 | Rod Pair | 71-68 | FP-3210CP30 | 30 | |
| H/D Truck DVT573, DVT573B, DVTI573B Engs. 60 9.4L 573 OHV Turbo-Diesel V8, 4.5" Bore (International Tractor Eng.) 1968-71 | | | | | |
| CYL. HEAD & PARTS | | | | | |
| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Exhaust | 71-68 | FP-V2158X | STD | From Ser. No. 2330; 1.7000" Head Dia., .4351" Stem Dia., 6.6240" O.A.L. |
| CRANKSHAFT/OIL PUMP | | | | | |
| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Seal Kit | 71-68 | FP-1809964 | | Incl. seal & wear sleeve |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 71-68 | FP-5084M | STD | |
| 1 | Main Set | 71-68 | FP-5084M10 | 10 | |
| 1 | Main Set | 71-68 | FP-5084M20 | 20 | |
| CYLINDER COMPONENTS | | | | | |
| QTY | LINERS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Liner w/Sealing Rings | 71-68 | FP-SO2443 | | From Ser. No. 2330; Incl. (3) FP-SLR2443 sealing rings. |
| 8 | Sleeve Assy. | 71-68 | FP-SL2444 | | From Ser. No. 2330 |
| QTY | CONNECTING RODS & BRGS. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rod Pair | 71-68 | FP-3210CP | STD | |
| 8 | Rod Pair | 71-68 | FP-3210CP10 | 10 | |
| 8 | Rod Pair | 71-68 | FP-3210CP20 | 20 | |
| 8 | Rod Pair | 71-68 | FP-3210CP30 | 30 | |
| H/D Truck V605 Eng. 61 9.9L 605 OHV V8 (16 Valve), 4.625" Bore 1977-81 | | | | | |
| CYL. HEAD & PARTS | | | | | |
| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 32 | Keeper | | VK-140 | | |
| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Guide | | VG-549 | | Int.; .4385" ID, 3.0900" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | | FP-317365 | | Incl. damper; 2.0500" Free Height |
| QTY | VALVE MISC. | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Rotocap Assy. | | FP-RC126SA | | Exh.; Incl. Rotocap & Valve Spring |
| 8 | Rotocap | | FP-443128 | | Exh. |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Valve Stem Seal | | MV-1914 | | Umbrella type; Nylon |
| CAMSHAFT GROUP | | | | | |
| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Prelube | | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |
| ENGINE BLOCK & PARTS | | | | | |
| QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Pan Gasket | 81-77 | FP-448428 | | |

(continued on next page)

61 H/D Truck V605 Eng.

(cont.) 9.9L 605 OHV V8 (16 Valve), 4.625" Bore 1977-81

| ENGINE BLOCK & PARTS (cont.) | | | | | |
|------------------------------|--------------------|-------|------------|------|---|
| QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Kit Gasket Set | | 260-1114 | | Incl. LPG Engs.; Exc. Irrigation Engs.; Incl. RMB seal & wear sleeve; Incl. timing seal & wear sleeve |
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | | FP-448139 | STD | |
| CRANKSHAFT/OIL PUMP | | | | | |
| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Rear Main Seal Set | 81-77 | 260-6017 | | Rubber; One-piece; Wear sleeve incl. |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 81-77 | FP-5032M | STD | |
| 1 | Main Set | 81-77 | FP-5032M10 | 10 | |
| 1 | Main Set | 81-77 | FP-5032M20 | 20 | |
| 1 | Main Set | 81-77 | FP-5032M30 | 30 | |
| 4 | Plain Main Brg. | 81-77 | FP-480842 | STD | Position 1-2-4-5 |
| 4 | Plain Main Brg. | 81-77 | FP-480843 | 10 | Position 1-2-4-5 |
| 4 | Plain Main Brg. | 81-77 | FP-480844 | 20 | Position 1-2-4-5 |
| 4 | Plain Main Brg. | 81-77 | FP-480845 | 30 | Position 1-2-4-5 |
| 1 | Flanged Main Brg. | 81-77 | FP-448064 | STD | Position 3 |
| 1 | Flanged Main Brg. | 81-77 | FP-480847 | 10 | Position 3 |
| 1 | Flanged Main Brg. | 81-77 | FP-480848 | 20 | Position 3 |
| 1 | Flanged Main Brg. | 81-77 | FP-480849 | 30 | Position 3 |

62 H/D Truck C605, V605 Engs. (Natural Gas)

9.9L 605 OHV NG V8 (16 Valve), 4.625" Bore 1977-81

| CYL. HEAD & PARTS | | | | | |
|----------------------|--------------------|-------|------------|------|---|
| QTY | VALVE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 32 | Keeper | | VK-140 | | |
| QTY | VALVE GUIDE | YEARS | PART NO. | SIZE | DESCRIPTION |
| 8 | Guide | | VG-549 | | Int.; .4385" ID, 3.0900" O.A.L. |
| QTY | VALVE SPRING | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Spring | | FP-317365 | | Incl. damper; 2.0500" Free Height |
| QTY | VALVE SEAL | YEARS | PART NO. | SIZE | DESCRIPTION |
| 16 | Valve Stem Seal | | MV-1914 | | Umbrella type; Nylon |
| CAMSHAFT GROUP | | | | | |
| QTY | CAMSHAFT/LIFTER | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Prelube | | 55-400 | | 4 oz. bottle; 1.5 oz. packet No. 55-403 also avail. |
| ENGINE BLOCK & PARTS | | | | | |
| QTY | GASKETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Oil Pan Gasket | 81-77 | FP-448428 | | |
| QTY | GASKET SETS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Kit Gasket Set | | 260-1114 | | Incl. LPG Engs.; Exc. Irrigation Engs.; Incl. RMB seal & wear sleeve; Incl. timing seal & wear sleeve |
| QTY | CAM BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Cam Set | | FP-448139 | STD | |
| CRANKSHAFT/OIL PUMP | | | | | |
| QTY | SEALS - REAR CRANK | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Rear Main Seal Set | 81-77 | 260-6017 | | Rubber; One-piece; Wear sleeve incl. |
| QTY | MAIN BEARINGS | YEARS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | 81-77 | FP-5032M | STD | |
| 1 | Main Set | 81-77 | FP-5032M10 | 10 | |
| 1 | Main Set | 81-77 | FP-5032M20 | 20 | |
| 1 | Main Set | 81-77 | FP-5032M30 | 30 | |
| 4 | Plain Main Brg. | 81-77 | FP-480842 | STD | Position 1-2-4-5 |
| 4 | Plain Main Brg. | 81-77 | FP-480843 | 10 | Position 1-2-4-5 |
| 4 | Plain Main Brg. | 81-77 | FP-480844 | 20 | Position 1-2-4-5 |
| 4 | Plain Main Brg. | 81-77 | FP-480845 | 30 | Position 1-2-4-5 |
| 1 | Flanged Main Brg. | 81-77 | FP-448064 | STD | Position 3 |
| 1 | Flanged Main Brg. | 81-77 | FP-480847 | 10 | Position 3 |
| 1 | Flanged Main Brg. | 81-77 | FP-480848 | 20 | Position 3 |
| 1 | Flanged Main Brg. | 81-77 | FP-480849 | 30 | Position 3 |



International/Navistar Truck

| H/D Truck V800 Eng. 63 13.1L 800 OHV Diesel V8 (16 Valve), 5.3125" Bore | | | | |
|--|-------------------------|-------------|------|-------------|
| CRANKSHAFT/OIL PUMP | | | | |
| QTY | MAIN BEARINGS | PART NO. | SIZE | DESCRIPTION |
| 1 | Main Set | FP-5084M | STD | |
| 1 | Main Set | FP-5084M10 | 10 | |
| 1 | Main Set | FP-5084M20 | 20 | |
| CYLINDER COMPONENTS | | | | |
| QTY | CONNECTING RODS & BRGS. | PART NO. | SIZE | DESCRIPTION |
| 8 | Rod Pair | FP-3210CP | STD | |
| 8 | Rod Pair | FP-3210CP10 | 10 | |
| 8 | Rod Pair | FP-3210CP20 | 20 | |
| 8 | Rod Pair | FP-3210CP30 | 30 | |

Engine Kit Bill of Material



| Qty. | Part No. | Description | Qty. | Part No. | Description | Qty. | Part No. | Description | Qty. | Part No. | Description |
|-----------------------|-------------|------------------------------|---------------------------------|--------------|-----------------------------|------------------------|----------------|------------------------------|----------------------------------|--------------|--------------------------------|
| FP-IFKDT360 | | | FP-IFKDT408NGD (cont'd.) | | | FP-IFKDT466OH | | | FP-IFKDT4664ROH (cont'd.) | | |
| (6) | FP-1809920 | Piston & Liner Kit w/o Rings | (6) | FP-1822486 | Connecting Rod Bearing Pair | (6) | FP-1817189 | Cylinder Kit Complete | (6) | FP-1808061 | Connecting Rod Bearing Pair |
| (6) | FP-1809919 | Ring Set, Single Cylinder | (6) | FP-1822487 | Connecting Rod Bearing Pair | (6) | FP-1817645 | Cylinder Kit Complete | (6) | FP-1808062 | Connecting Rod Bearing Pair |
| (6) | FP-1823863 | Connecting Rod Bearing Pair | (1) | FP-1822379 | Main Bearing, Flanged | (6) | FP-687432 | Cylinder Kit Complete | (6) | FP-681314 | Connecting Rod Bearing Pair |
| (6) | FP-1823864 | Connecting Rod Bearing Pair | (1) | FP-1822494 | Main Bearing, Flanged | (6) | FP-1808060 | Connecting Rod Bearing Pair | (6) | FP-681315 | Connecting Rod Bearing Pair |
| (6) | FP-1823865 | Connecting Rod Bearing Pair | (1) | FP-1822495 | Main Bearing, Flanged | (6) | FP-1808061 | Connecting Rod Bearing Pair | (6) | FP-681316 | Connecting Rod Bearing Pair |
| (6) | FP-1823866 | Connecting Rod Bearing Pair | (1) | FP-1822496 | Main Bearing, Flanged | (6) | FP-1808062 | Connecting Rod Bearing Pair | (6) | FP-687382 | Connecting Rod Bearing Pair |
| (1) | FP-1823859 | Main Bearing Set | (6) | FP-1822321 | Main Bearing, Plain | (6) | FP-681314 | Connecting Rod Bearing Pair | (1) | FP-1823843 | Main Bearing Set |
| (1) | FP-1823860 | Main Bearing Set | (6) | FP-1822490 | Main Bearing, Plain | (6) | FP-681315 | Connecting Rod Bearing Pair | (1) | FP-1823844 | Main Bearing Set |
| (1) | FP-1823861 | Main Bearing Set | (6) | FP-1822491 | Main Bearing, Plain | (6) | FP-681316 | Connecting Rod Bearing Pair | (1) | FP-1823845 | Main Bearing Set |
| (1) | FP-PGN360IF | In-Frame Gasket Set | (6) | FP-1822492 | Main Bearing, Plain | (1) | FP-687382 | Connecting Rod Bearing Pair | (1) | FP-1823846 | Main Bearing Set |
| FP-IFKDT360L | | | (1) | FP-1816722 | Miscellaneous Gasket | (1) | FP-1823843 | Main Bearing Set | (1) | FP-1823847 | Main Bearing Set |
| (6) | FP-1811894 | Piston & Liner Kit w/o Rings | FP-IFKDT466 | | | (1) | FP-1823844 | Main Bearing Set | (1) | FP-1823848 | Main Bearing Set |
| (6) | FP-1815404 | Piston & Liner Kit w/o Rings | (6) | FP-1817189 | Cylinder Kit Complete | (1) | FP-1823845 | Main Bearing Set | (1) | FP-1823849 | Main Bearing Set |
| (6) | FP-1817250 | Piston & Liner Kit w/o Rings | (6) | FP-1817645 | Cylinder Kit Complete | (1) | FP-1823846 | Main Bearing Set | (1) | FP-1823850 | Main Bearing Set |
| (6) | FP-1809919 | Ring Set, Single Cylinder | (6) | FP-687432 | Cylinder Kit Complete | (1) | FP-1823847 | Main Bearing Set | (1) | FP-PGN466C | Complete Overhaul Gasket Set |
| (6) | FP-1817251 | Ring Set, Single Cylinder | (6) | FP-1808059 | Connecting Rod Bearing Pair | (1) | FP-1823848 | Main Bearing Set | FP-IFKI530NGD | | |
| (6) | FP-1823863 | Connecting Rod Bearing Pair | (6) | FP-1808060 | Connecting Rod Bearing Pair | (1) | FP-1823849 | Main Bearing Set | (1) | FP-1826587 | Oil Pan Gasket |
| (6) | FP-1823864 | Connecting Rod Bearing Pair | (6) | FP-1808061 | Connecting Rod Bearing Pair | (1) | FP-1823850 | Main Bearing Set | (6) | FP-1822333 | Cylinder Kit Complete |
| (6) | FP-1823865 | Connecting Rod Bearing Pair | (6) | FP-681314 | Connecting Rod Bearing Pair | (1) | FP-PGN466C | Complete Overhaul Gasket Set | (6) | FP-1822389 | Connecting Rod Bearing Pair |
| (6) | FP-1823866 | Connecting Rod Bearing Pair | (6) | FP-681315 | Connecting Rod Bearing Pair | FP-IFKDT466PNGD | | | (6) | FP-1822486 | Connecting Rod Bearing Pair |
| (1) | FP-1823859 | Main Bearing Set | (6) | FP-681316 | Connecting Rod Bearing Pair | (6) | FP-1822340 | Cylinder Kit Complete | (1) | FP-1822487 | Connecting Rod Bearing Pair |
| (1) | FP-1823860 | Main Bearing Set | (6) | FP-687382 | Connecting Rod Bearing Pair | (6) | FP-1824820 | Cylinder Kit Complete | (1) | FP-1822379 | Main Bearing, Flanged |
| (1) | FP-1823861 | Main Bearing Set | (1) | FP-1823843 | Main Bearing Set | (6) | FP-1824823 | Cylinder Kit Complete | (1) | FP-1822494 | Main Bearing, Flanged |
| (1) | FP-PGN360IF | In-Frame Gasket Set | (1) | FP-1823844 | Main Bearing Set | (6) | FP-1822389 | Connecting Rod Bearing Pair | (1) | FP-1822495 | Main Bearing, Flanged |
| FP-IFKDT360LOH | | | (1) | FP-1823845 | Main Bearing Set | (6) | FP-1822486 | Connecting Rod Bearing Pair | (1) | FP-1822496 | Main Bearing, Flanged |
| (6) | FP-1811894 | Piston & Liner Kit w/o Rings | (1) | FP-1823846 | Main Bearing Set | (6) | FP-1822487 | Connecting Rod Bearing Pair | (1) | FP-1822321 | Main Bearing, Plain |
| (6) | FP-1815404 | Piston & Liner Kit w/o Rings | (1) | FP-1823847 | Main Bearing Set | (1) | FP-1822379 | Main Bearing, Flanged | (1) | FP-1822490 | Main Bearing, Plain |
| (6) | FP-1817250 | Piston & Liner Kit w/o Rings | (1) | FP-1823848 | Main Bearing Set | (1) | FP-1822494 | Main Bearing, Flanged | (1) | FP-1822491 | Main Bearing, Plain |
| (6) | FP-1809919 | Ring Set, Single Cylinder | (1) | FP-1823849 | Main Bearing Set | (1) | FP-1822495 | Main Bearing, Flanged | (1) | FP-1822492 | Main Bearing, Plain |
| (6) | FP-1817251 | Ring Set, Single Cylinder | (1) | FP-1823850 | Main Bearing Set | (1) | FP-1822496 | Main Bearing, Flanged | (6) | FP-1822328 | Head Gasket Set |
| (6) | FP-1823863 | Connecting Rod Bearing Pair | (1) | FP-PGN466IF | In-Frame Gasket Set | (6) | FP-1822321 | Main Bearing, Plain | (1) | FP-1816722 | Miscellaneous Gasket |
| (6) | FP-1823864 | Connecting Rod Bearing Pair | FP-IFKDT466E | | | (6) | FP-1822321 | Main Bearing, Plain | FP-IFKT444E | | |
| (6) | FP-1823865 | Connecting Rod Bearing Pair | (6) | FP-1824966 | Cylinder Kit Complete | (6) | FP-1822490 | Main Bearing, Plain | (8) | FP-1830953 | Piston w/Pin, Retainer & Rings |
| (6) | FP-1823866 | Connecting Rod Bearing Pair | (6) | FP-1825690 | Cylinder Kit Complete | (6) | FP-1822491 | Main Bearing, Plain | (8) | FP-1830954 | Piston w/Pin, Retainer & Rings |
| (1) | FP-1823859 | Main Bearing Set | (6) | FP-1830565 | Cylinder Kit Complete | (6) | FP-1822492 | Main Bearing, Plain | (8) | FP-1830955 | Piston w/Pin, Retainer & Rings |
| (1) | FP-1823860 | Main Bearing Set | (6) | FP-1822389 | Connecting Rod Bearing Pair | (1) | FP-PGN466NGDIF | In-Frame Gasket Set | (8) | FP-1830956 | Piston w/Pin, Retainer & Rings |
| (1) | FP-1823861 | Main Bearing Set | (6) | FP-1822486 | Connecting Rod Bearing Pair | (1) | FP-1816722 | Miscellaneous Gasket | (8) | FP-1812301 | Connecting Rod Bearing Pair |
| (1) | FP-1817256 | Complete Overhaul Gasket Set | (6) | FP-1822487 | Connecting Rod Bearing Pair | FP-IFKDT4664R | | | (8) | FP-1812302 | Connecting Rod Bearing Pair |
| FP-IFKDT360OH | | | (1) | FP-1822379 | Main Bearing, Flanged | (6) | FP-18103594R | Cylinder Kit Complete | (8) | FP-1812303 | Connecting Rod Bearing Pair |
| (6) | FP-1809920 | Piston & Liner Kit w/o Rings | (1) | FP-1822494 | Main Bearing, Flanged | (6) | FP-1808059 | Connecting Rod Bearing Pair | (8) | FP-1812304 | Connecting Rod Bearing Pair |
| (6) | FP-1809919 | Ring Set, Single Cylinder | (1) | FP-1822495 | Main Bearing, Flanged | (6) | FP-1808060 | Connecting Rod Bearing Pair | (1) | FP-1812325 | Main Bearing, Flanged |
| (6) | FP-1823863 | Connecting Rod Bearing Pair | (1) | FP-1822496 | Main Bearing, Flanged | (6) | FP-1808061 | Connecting Rod Bearing Pair | (1) | FP-1812326 | Main Bearing, Flanged |
| (6) | FP-1823864 | Connecting Rod Bearing Pair | (1) | FP-1822321 | Main Bearing, Plain | (6) | FP-1808062 | Connecting Rod Bearing Pair | (1) | FP-1812327 | Main Bearing, Flanged |
| (6) | FP-1823865 | Connecting Rod Bearing Pair | (6) | FP-1822490 | Main Bearing, Plain | (6) | FP-681314 | Connecting Rod Bearing Pair | (1) | FP-1812328 | Main Bearing, Flanged |
| (6) | FP-1823866 | Connecting Rod Bearing Pair | (6) | FP-1822491 | Main Bearing, Plain | (6) | FP-681315 | Connecting Rod Bearing Pair | (4) | FP-1812321 | Main Bearing, Plain |
| (1) | FP-1823859 | Main Bearing Set | (6) | FP-1822492 | Main Bearing, Plain | (6) | FP-681316 | Connecting Rod Bearing Pair | (4) | FP-1812322 | Main Bearing, Plain |
| (1) | FP-1823860 | Main Bearing Set | (1) | FP-PGN466EIF | In-Frame Gasket Set | (6) | FP-687382 | Connecting Rod Bearing Pair | (4) | FP-1812323 | Main Bearing, Plain |
| (1) | FP-1823861 | Main Bearing Set | (1) | FP-1816722 | Miscellaneous Gasket | (1) | FP-1823843 | Main Bearing Set | (4) | FP-1812324 | Main Bearing, Plain |
| (1) | FP-1817256 | Complete Overhaul Gasket Set | FP-IFKDT466EBB | | | (1) | FP-1823844 | Main Bearing Set | (1) | FP-PGT444S | In-Frame Gasket Set |
| FP-IFKDT408NGD | | | (6) | FP-1826587 | Oil Pan Gasket | (1) | FP-1823845 | Main Bearing Set | FP-IFK69L | | |
| (1) | FP-1826587 | Oil Pan Gasket | (6) | FP-1836192 | Cylinder Kit Complete | (1) | FP-1823846 | Main Bearing Set | (1) | 260-6054 | Oil Pan Gasket Set |
| (6) | FP-1822332 | Cylinder Kit Complete | (6) | FP-1836299 | Cylinder Kit Complete | (1) | FP-1823847 | Main Bearing Set | (8) | FP-1805816WR | Piston w/Pin, Retainer & Rings |
| (6) | FP-1822389 | Connecting Rod Bearing Pair | (6) | FP-1842554 | Cylinder Kit Complete | (1) | FP-1823848 | Main Bearing Set | (8) | FP-1805818WR | Piston w/Pin, Retainer & Rings |
| (cont'd. next column) | | | (6) | FP-1842555 | Cylinder Kit Complete | (1) | FP-1823849 | Main Bearing Set | (8) | FP-1805819WR | Piston w/Pin, Retainer & Rings |
| | | | (6) | FP-1842570 | Connecting Rod Bearing Pair | (1) | FP-PGN466IF | In-Frame Gasket Set | (8) | FP-1802200 | Connecting Rod Bearing Pair |
| | | | (1) | FP-1830726 | Main Bearing, Flanged | FP-IFKDT4664ROH | | | (8) | FP-1802201 | Connecting Rod Bearing Pair |
| | | | (1) | FP-1833361 | Main Bearing, Flanged | (6) | FP-18103594R | Cylinder Kit Complete | (8) | FP-1802202 | Connecting Rod Bearing Pair |
| | | | (1) | FP-1833362 | Main Bearing, Flanged | (6) | FP-1808059 | Connecting Rod Bearing Pair | (cont'd. next page) | | |
| | | | (1) | FP-1833363 | Main Bearing, Flanged | (6) | FP-1808060 | Connecting Rod Bearing Pair | | | |
| | | | (6) | FP-1830725 | Main Bearing, Plain | | | | | | |
| | | | (6) | FP-1833364 | Main Bearing, Plain | | | | | | |
| | | | (6) | FP-1833365 | Main Bearing, Plain | | | | | | |
| | | | (6) | FP-1833366 | Main Bearing, Plain | | | | | | |
| | | | (1) | FP-1830720 | Head Gasket Set | | | | | | |
| | | | (1) | FP-1816722 | Miscellaneous Gasket | | | | | | |



Engine Kit Bill of Material

| Qty. | Part No. | Description | Qty. | Part No. | Description | Qty. | Part No. | Description | Qty. | Part No. | Description | | | | | | |
|----------------------------|--------------|--------------------------------|------------------------------|--------------|--------------------------------|---------------------------|------------|-----------------------------|-----------------|----------|----------------------------|--|--|--|--|--|--|
| FP-IFK69L (cont'd.) | | | FP-IFK73EOH (cont'd.) | | | FP-IFK90 (cont'd.) | | | 205-170 | | | | | | | | |
| (8) | FP-1802203 | Connecting Rod Bearing Pair | (1) | FP-1802221 | Main Bearing, Flanged | (8) | FP-1700248 | Connecting Rod Bearing Pair | (1) | E-270X | Standard Piston Ring Set | | | | | | |
| (1) | FP-1802220 | Main Bearing, Flanged | (1) | FP-1802222 | Main Bearing, Flanged | (8) | FP-1700702 | Connecting Rod Bearing Pair | (1) | 8-2410CP | Connecting Rod Bearing Set | | | | | | |
| (1) | FP-1802221 | Main Bearing, Flanged | (1) | FP-1802223 | Main Bearing, Flanged | (8) | FP-1700703 | Connecting Rod Bearing Pair | (1) | 260-1075 | Gasket Kit | | | | | | |
| (1) | FP-1802222 | Main Bearing, Flanged | (4) | FP-1802216 | Main Bearing, Plain | (8) | FP-1700704 | Connecting Rod Bearing Pair | (1) | 55-403B | Prelube | | | | | | |
| (1) | FP-1802223 | Main Bearing, Flanged | (4) | FP-1802217 | Main Bearing, Plain | (8) | FP-1700704 | Connecting Rod Bearing Pair | 205-170M | | | | | | | | |
| (4) | FP-1802216 | Main Bearing, Plain | (4) | FP-1802218 | Main Bearing, Plain | | | | (1) | E-270X | Standard Piston Ring Set | | | | | | |
| (4) | FP-1802217 | Main Bearing, Plain | (4) | FP-1802219 | Main Bearing, Plain | | | | (1) | 8-2410CP | Connecting Rod Bearing Set | | | | | | |
| (4) | FP-1802218 | Main Bearing, Plain | (8) | FP-1804000 | Piston Pin Bushing | | | | (1) | 260-1075 | Gasket Kit | | | | | | |
| (4) | FP-1802219 | Main Bearing, Plain | (1) | FP-1813067 | Valley Pan Gasket Set | | | | (1) | 4070M | Main Bearing Set | | | | | | |
| (1) | FP-1813067 | Valley Pan Gasket Set | (1) | FP-PGN73C | Complete Overhaul Gasket Set | (1) | FP-5032M | Main Bearing Set | (1) | 55-403B | Prelube | | | | | | |
| (1) | FP-1811049 | Head Gasket Set | (16) | FP-1804003 | Connecting Rod Bolt | (1) | FP-5032M10 | Main Bearing Set | | | | | | | | | |
| (1) | FP-1807974 | Thermostat Kit | (16) | FP-1807974 | Thermostat Kit | (1) | FP-5032M20 | Main Bearing Set | | | | | | | | | |
| | | | (16) | FP-1805866 | Connecting Rod Nut | | | | | | | | | | | | |
| FP-IFK69LOH | | | FP-IFK73L | | | FP-1826322 | | | 205-670 | | | | | | | | |
| (8) | FP-1805816WR | Piston w/Pin, Retainer & Rings | (1) | 260-6054 | Oil Pan Gasket Set | (1) | FP-1826587 | Oil Pan Gasket | (1) | E-270K | Premium Piston Ring Set | | | | | | |
| (8) | FP-1805818WR | Piston w/Pin, Retainer & Rings | (8) | FP-1816674WR | Piston w/Pin, Retainer & Rings | (6) | FP-1822332 | Cylinder Kit Complete | (1) | 8-2410CP | Connecting Rod Bearing Set | | | | | | |
| (8) | FP-1805819WR | Piston w/Pin, Retainer & Rings | (8) | FP-1816676WR | Piston w/Pin, Retainer & Rings | (6) | FP-1822389 | Connecting Rod Bearing Pair | (1) | 260-1075 | Gasket Kit | | | | | | |
| (8) | FP-1802200 | Connecting Rod Bearing Pair | (8) | FP-1816677WR | Piston w/Pin, Retainer & Rings | (6) | FP-1822379 | Main Bearing, Flanged | (1) | 55-403B | Prelube | | | | | | |
| (8) | FP-1802201 | Connecting Rod Bearing Pair | (8) | FP-1802200 | Connecting Rod Bearing Pair | (6) | FP-1822321 | Main Bearing, Plain | 205-670M | | | | | | | | |
| (8) | FP-1802202 | Connecting Rod Bearing Pair | (8) | FP-1802201 | Connecting Rod Bearing Pair | (1) | FP-1822328 | Head Gasket Set | (1) | E-270K | Premium Piston Ring Set | | | | | | |
| (8) | FP-1802203 | Connecting Rod Bearing Pair | (8) | FP-1802202 | Connecting Rod Bearing Pair | (1) | FP-1816722 | Miscellaneous Gasket | (1) | 8-2410CP | Connecting Rod Bearing Set | | | | | | |
| (1) | FP-1802220 | Main Bearing, Flanged | (8) | FP-1802203 | Connecting Rod Bearing Pair | FP-1833447 | | | (1) | 260-1075 | Gasket Kit | | | | | | |
| (1) | FP-1802221 | Main Bearing, Flanged | (1) | FP-1802220 | Main Bearing, Flanged | (6) | FP-1822333 | Cylinder Kit Complete | (1) | 4070M | Main Bearing Set | | | | | | |
| (1) | FP-1802222 | Main Bearing, Flanged | (1) | FP-1802221 | Main Bearing, Flanged | (6) | FP-1822389 | Connecting Rod Bearing Pair | (1) | 55-403B | Prelube | | | | | | |
| (1) | FP-1802223 | Main Bearing, Flanged | (1) | FP-1802222 | Main Bearing, Flanged | (1) | FP-1822379 | Main Bearing, Flanged | 205-675 | | | | | | | | |
| (4) | FP-1802216 | Main Bearing, Plain | (1) | FP-1802223 | Main Bearing, Flanged | (6) | FP-1822321 | Main Bearing, Plain | (1) | E-273K | Premium Piston Ring Set | | | | | | |
| (4) | FP-1802217 | Main Bearing, Plain | (4) | FP-1802216 | Main Bearing, Plain | (1) | FP-1822328 | Head Gasket Set | (1) | 8-2410CP | Connecting Rod Bearing Set | | | | | | |
| (4) | FP-1802218 | Main Bearing, Plain | (4) | FP-1802217 | Main Bearing, Plain | (1) | FP-1816722 | Miscellaneous Gasket | (1) | 260-1076 | Gasket Kit | | | | | | |
| (4) | FP-1802219 | Main Bearing, Plain | (4) | FP-1802218 | Main Bearing, Plain | FP-1836195 | | | (1) | 55-403B | Prelube | | | | | | |
| (8) | FP-1804000 | Piston Pin Bushing | (4) | FP-1802219 | Main Bearing, Plain | (1) | FP-1826587 | Oil Pan Gasket | 205-676 | | | | | | | | |
| (1) | FP-PGN69C | Complete Overhaul Gasket Set | (4) | FP-1802219 | Main Bearing, Plain | (6) | FP-1836192 | Cylinder Kit Complete | (1) | E-273K | Premium Piston Ring Set | | | | | | |
| (16) | FP-1804003 | Connecting Rod Bolt | (1) | FP-1813067 | Valley Pan Gasket Set | (6) | FP-1842570 | Connecting Rod Bearing Pair | (1) | 8-2410CP | Connecting Rod Bearing Set | | | | | | |
| (1) | FP-1807974 | Thermostat Kit | (1) | FP-1811050 | Head Gasket Set | (1) | FP-1830726 | Main Bearing, Flanged | (1) | 260-1050 | Gasket Kit | | | | | | |
| (16) | FP-1805866 | Connecting Rod Nut | (1) | FP-1807974 | Thermostat Kit | (1) | FP-1830720 | Head Gasket Set | (1) | 55-403B | Prelube | | | | | | |
| | | | (1) | FP-1807974 | Thermostat Kit | (1) | FP-1816722 | Miscellaneous Gasket | | | | | | | | | |
| FP-IFK73E | | | FP-IFK73LOH | | | FP-1836300 | | | | | | | | | | | |
| (1) | 260-6054 | Oil Pan Gasket Set | (8) | FP-1816674WR | Piston w/Pin, Retainer & Rings | (1) | FP-1826587 | Oil Pan Gasket | | | | | | | | | |
| (8) | FP-1813121WR | Piston w/Pin, Retainer & Rings | (8) | FP-1816676WR | Piston w/Pin, Retainer & Rings | (6) | FP-1836299 | Cylinder Kit Complete | | | | | | | | | |
| (8) | FP-1813122WR | Piston w/Pin, Retainer & Rings | (8) | FP-1816677WR | Piston w/Pin, Retainer & Rings | (6) | FP-1842570 | Connecting Rod Bearing Pair | | | | | | | | | |
| (8) | FP-1802200 | Connecting Rod Bearing Pair | (8) | FP-1802200 | Connecting Rod Bearing Pair | (1) | FP-1830726 | Main Bearing, Flanged | | | | | | | | | |
| (8) | FP-1802201 | Connecting Rod Bearing Pair | (8) | FP-1802201 | Connecting Rod Bearing Pair | (6) | FP-1830725 | Main Bearing, Plain | | | | | | | | | |
| (8) | FP-1802202 | Connecting Rod Bearing Pair | (8) | FP-1802202 | Connecting Rod Bearing Pair | (1) | FP-1830720 | Head Gasket Set | | | | | | | | | |
| (8) | FP-1802203 | Connecting Rod Bearing Pair | (8) | FP-1802203 | Connecting Rod Bearing Pair | (1) | FP-1816722 | Miscellaneous Gasket | | | | | | | | | |
| (1) | FP-1802220 | Main Bearing, Flanged | (1) | FP-1802220 | Main Bearing, Flanged | FP-205205 | | | | | | | | | | | |
| (1) | FP-1802221 | Main Bearing, Flanged | (1) | FP-1802221 | Main Bearing, Flanged | (1) | E-422X 30 | Standard Piston Ring Set | | | | | | | | | |
| (1) | FP-1802222 | Main Bearing, Flanged | (1) | FP-1802222 | Main Bearing, Flanged | (8) | FP-3730CP | Connecting Rod Bearing Pair | | | | | | | | | |
| (1) | FP-1802223 | Main Bearing, Flanged | (1) | FP-1802223 | Main Bearing, Flanged | (1) | 260-1117 | Gasket Kit | | | | | | | | | |
| (4) | FP-1802216 | Main Bearing, Plain | (1) | FP-1802216 | Main Bearing, Plain | (1) | 55-403B | Prelube | | | | | | | | | |
| (4) | FP-1802217 | Main Bearing, Plain | (4) | FP-1802217 | Main Bearing, Plain | FP-2056043 | | | | | | | | | | | |
| (4) | FP-1802218 | Main Bearing, Plain | (4) | FP-1802218 | Main Bearing, Plain | (1) | E-273K | Premium Piston Ring Set | | | | | | | | | |
| (4) | FP-1802219 | Main Bearing, Plain | (4) | FP-1802219 | Main Bearing, Plain | (8) | FP-3730CP | Connecting Rod Bearing Pair | | | | | | | | | |
| (1) | FP-1813067 | Valley Pan Gasket Set | (8) | FP-1804000 | Piston Pin Bushing | (1) | 260-1117 | Gasket Kit | | | | | | | | | |
| (1) | FP-1811050 | Head Gasket Set | (1) | FP-1813067 | Valley Pan Gasket Set | (1) | 55-403B | Prelube | | | | | | | | | |
| (1) | FP-1807974 | Thermostat Kit | (1) | FP-PGN73C | Complete Overhaul Gasket Set | FP-205701 | | | | | | | | | | | |
| | | | (16) | FP-1804003 | Connecting Rod Bolt | (1) | FP-E308K | Premium Piston Ring Set | | | | | | | | | |
| | | | (1) | FP-1807974 | Thermostat Kit | (8) | FP-2195CP | Connecting Rod Bearing Pair | | | | | | | | | |
| | | | (16) | FP-1805866 | Connecting Rod Nut | (1) | 260-1115 | Gasket Kit | | | | | | | | | |
| | | | (16) | FP-1805866 | Connecting Rod Nut | (1) | 55-403B | Prelube | | | | | | | | | |
| FP-IFK73EOH | | | FP-IFK90 | | | FP-205705 | | | | | | | | | | | |
| (8) | FP-1813121WR | Piston w/Pin, Retainer & Rings | (1) | FP-448428 | Oil Pan Gasket | (1) | E-404K | Premium Piston Ring Set | | | | | | | | | |
| (8) | FP-1813122WR | Piston w/Pin, Retainer & Rings | (8) | FP-1700236WR | Piston w/Pin, Retainer & Rings | (8) | FP-3730CP | Connecting Rod Bearing Pair | | | | | | | | | |
| (8) | FP-1802200 | Connecting Rod Bearing Pair | (8) | FP-1700237WR | Piston w/Pin, Retainer & Rings | (1) | 260-1117 | Gasket Kit | | | | | | | | | |
| (8) | FP-1802201 | Connecting Rod Bearing Pair | (8) | FP-1700238WR | Piston w/Pin, Retainer & Rings | (1) | 55-403B | Prelube | | | | | | | | | |
| (8) | FP-1802202 | Connecting Rod Bearing Pair | (8) | FP-1700239WR | Piston w/Pin, Retainer & Rings | | | | | | | | | | | | |
| (8) | FP-1802203 | Connecting Rod Bearing Pair | | | | | | | | | | | | | | | |
| (1) | FP-1802220 | Main Bearing, Flanged | | | | | | | | | | | | | | | |
| (cont'd. next column) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

Numerical List



| Part No. | Line No. | Part No. | Line No. | Part No. | Line No. |
|-----------------|--|--------------|---------------------------|--------------|--|
| CS-218 | 25, 26, 40, 41, 47, 52, 53, 55 | FP-1701325 | 56 | FP-1809912 | 19 |
| CS-415 | 8, 13, 14, 17, 18, 22, 23 | FP-1801191 | 19, 44 | FP-1809914 | 19 |
| CS-771 | 32, 33 | FP-1802200 | 32-34 | FP-1809919 | 19 |
| E-135X | 3, 5 | FP-1802201 | 32-34 | FP-1809920 | 19 |
| E-270K | 13, 14, 17, 18 | FP-1802202 | 32-34 | FP-1809920WR | 19 |
| E-270X | 13, 14, 17, 18 | FP-1802203 | 32-34 | FP-1809935 | 19 |
| E-273K | 22, 23, 25-28, 36, 40, 41 | FP-1802208 | 32 | FP-1809936 | 19 |
| E-404K | 22, 23, 25-28, 36, 40, 41 | FP-1802210 | 32 | FP-1809938 | 19 |
| E-422X 30 | 22, 23, 25-28, 36, 37, 40, 41 | FP-1802211 | 32 | FP-1809953 | 19 |
| FP-E308K | 52, 53 | FP-1802212 | 32 | FP-1809964 | 19, 43, 44, 59, 60 |
| FP-H729CP | 32 | FP-1802213 | 32-34 | FP-1810049 | 19 |
| FP-H729CP20 | 32 | FP-1802216 | 32-34 | FP-1810086 | 19 |
| FP-H729CP30 | 32 | FP-1802217 | 32-34 | FP-1810358 | 44 |
| FP-IFKDT360 | 19 | FP-1802218 | 32-34 | FP-18103584R | 44 |
| FP-IFKDT360L | 19 | FP-1802219 | 32-34 | FP-18103594R | 44 |
| FP-IFKDT360LOH | 19 | FP-1802220 | 32-34 | FP-1810504 | 44 |
| FP-IFKDT360OH | 19 | FP-1802221 | 32-34 | FP-1810504WS | 44 |
| FP-IFKDT408NGD* | 31 | FP-1802222 | 32-34 | FP-1810508 | 56 |
| FP-IFKDT466 | 44 | FP-1802223 | 32-34 | FP-1810510 | 19, 44 |
| FP-IFKDT466E | 45 | FP-1802337 | 44 | FP-1810744 | 44 |
| FP-IFKDT466EBB* | 46 | FP-1802337WL | 44 | FP-1810944 | 31, 35, 44, 49 |
| FP-IFKDT466OH | 44 | FP-1802340 | 19, 44 | FP-1811049 | 32 |
| FP-IFKDT466PNGD | 44 | FP-1802580 | 43, 44 | FP-1811050 | 33, 34 |
| FP-IFKDT4664R | 44 | FP-18025814R | 44 | FP-1811191 | 32, 33 |
| FP-IFKDT4664ROH | 44 | FP-1802867 | 19, 44 | FP-1811581 | 19, 43, 44 |
| FP-IFK530NGD* | 49 | FP-1804000 | 32-34 | FP-1811749 | 19 |
| FP-IFKT444E | 35 | FP-1804003 | 32-34 | FP-1811894 | 19 |
| FP-IFK69L | 32 | FP-1804009 | 27, 28, 32-34, 36, 37, 56 | FP-1812301 | 35 |
| FP-IFK69LOH | 32 | FP-1804032 | 32-34 | FP-1812302 | 35 |
| FP-IFK73E | 33 | FP-1804052 | 32-34 | FP-1812303 | 35 |
| FP-IFK73EOH | 33 | FP-1804136 | 32-34 | FP-1812304 | 35 |
| FP-IFK73L | 33 | FP-1804211 | 32 | FP-1812317 | 35 |
| FP-IFK73LOH | 33 | FP-1804259 | 32 | FP-1812321 | 35 |
| FP-IFK90 | 56 | FP-1804308 | 32, 33 | FP-1812322 | 35 |
| FP-MV1902 | 7, 12 | FP-1804321 | 32, 33 | FP-1812323 | 35 |
| FP-PGN466C | 44 | FP-1804330 | 32-34 | FP-1812324 | 35 |
| FP-PGN466EIF | 45 | FP-1804338 | 32-34 | FP-1812325 | 35 |
| FP-PGN466IF | 44 | FP-1804353 | 32, 33 | FP-1812326 | 35 |
| FP-PGN466NGDIF | 44 | FP-1804420 | 12, 32-34 | FP-1812327 | 35 |
| FP-PGN4661 | 44 | FP-1804467 | 32, 33 | FP-1812328 | 35 |
| FP-PGN73C | 34 | FP-1804475 | 27, 28, 32-34, 36, 37 | FP-1812329 | 35 |
| FP-PGT444S | 35 | FP-1804480 | 32-34 | FP-1812376 | 35 |
| FP-RC126SA | 8, 13, 14, 17, 18, 22, 23, 25-28, 36, 40-42, 47, 51-54, 56, 61 | FP-1804495 | 32-34 | FP-1812457 | 35 |
| FP-RP3127 | 3, 5, 7, 12 | FP-180521240 | 32 | FP-1813067 | 32-34 |
| FP-SL2444 | 59, 60 | FP-1805231 | 32 | FP-1813121 | 33 |
| FP-SO2443 | 59, 60 | FP-1805232 | 32 | FP-1813121WR | 33 |
| FP-V1543 | 5, 7 | FP-1805249 | 32-34 | FP-1813122 | 33 |
| FP-V2158X | 59, 60 | FP-1805250 | 32-34 | FP-1813122WR | 33 |
| FP-WH729CP | 32 | FP-1805398 | 32-34 | FP-1813171 | 33 |
| FP-WH729CP20 | 32 | FP-1805407 | 32-34 | FP-1813173 | 33 |
| FP-WH729CP30 | 32 | FP-1805816 | 32 | FP-1813174 | 33 |
| FP-111024 | 1-5, 7-11, 13-18, 20-26, 29, 30, 38-42, 47, 48, 52-56 | FP-1805816WR | 32 | FP-1813654 | 56 |
| FP-111024B* | 1-5, 7-11, 13-18, 20-26, 29, 30, 38-42, 47, 48, 52-56 | FP-1805818 | 32 | FP-1813933 | 19, 44 |
| FP-1209M | 3, 5, 7, 12 | FP-1805818WR | 32 | FP-1814219 | 35 |
| FP-1228M | 1 | FP-1805819 | 32 | FP-1814326 | 35 |
| FP-127554 | 24 | FP-1805819WR | 32 | FP-1814607 | 35 |
| FP-1441102 | 32 | FP-1805851 | 32 | FP-1814695 | 35 |
| FP-1441703 | 33 | FP-180585140 | 32 | FP-1814913 | 56 |
| FP-156541 | 5, 7, 11, 12, 15, 27, 28, 36, 37, 44 | FP-1805854 | 32 | FP-1815264 | 19, 44 |
| FP-160094 | 56 | FP-1805866 | 32-34 | FP-1815309 | 19 |
| FP-1700203 | 56 | FP-1807945 | 32-34 | FP-1815374 | 19, 43, 44 |
| FP-1700233 | 56 | FP-1807974 | 32-34 | FP-1815404 | 19 |
| FP-1700234 | 56 | FP-1808059 | 44 | FP-1815538 | 19, 44 |
| FP-1700235 | 56 | FP-1808060 | 44 | FP-1815560 | 35 |
| FP-1700236 | 56 | FP-1808061 | 44 | FP-1815561 | 35 |
| FP-1700236WR | 56 | FP-1808062 | 44 | FP-1815638 | 19 |
| FP-1700237 | 56 | FP-1808069 | 44 | FP-1815668 | 19, 44 |
| FP-1700237WR | 56 | FP-1808070 | 44 | FP-1815674 | 31, 44, 45 |
| FP-1700238 | 56 | FP-1808071 | 44 | FP-1815898 | 35, 45, 49, 50 |
| FP-1700238WR | 56 | FP-1808072 | 44 | FP-1815899 | 35 |
| FP-1700239 | 56 | FP-1808751 | 27, 28, 36, 37, 56 | FP-1816179 | 35 |
| FP-1700239WR | 56 | FP-1808973 | 43, 44 | FP-1816559 | 32-34 |
| FP-1700248 | 56 | FP-1809057 | 33, 34 | FP-1816562 | 33 |
| FP-1700549 | 56 | FP-1809109 | 33 | FP-1816569 | 8, 13, 14, 17, 18, 21-23, 27-34, 36-39, 48 |
| FP-1700591 | 56 | FP-1809110 | 33 | FP-1816593 | 31, 35, 44, 49, 50 |
| FP-1700594 | 56 | FP-1809146 | 33 | FP-1816658 | 33 |
| FP-1700609 | 56 | FP-1809147 | 33 | FP-1816674 | 33 |
| FP-1700702 | 56 | FP-1809148 | 33 | FP-1816674WR | 33 |
| FP-1700703 | 56 | FP-1809149 | 33 | FP-1816676 | 33 |
| FP-1700704 | 56 | FP-1809339 | 35 | FP-1816676WR | 33 |
| | | FP-1809374 | 32, 33 | FP-1816677 | 33 |
| | | FP-1809570* | 31, 44, 45, 49, 50 | FP-1816677WR | 33 |
| | | FP-18096834R | 44 | | |

| Part No. | Line No. | Part No. | Line No. | Part No. | Line No. |
|--------------|-----------------------|--------------|-------------------|-------------|---|
| FP-1816722 | 31 | FP-1823848 | 43, 44 | FP-1833361* | 46, 50 |
| FP-1817178 | 19 | FP-1823849 | 43, 44 | FP-1833362* | 46, 50 |
| FP-1817188 | 44 | FP-1823850 | 43, 44 | FP-1833363* | 46, 50 |
| FP-1817188WP | 44 | FP-1823859 | 19 | FP-1833364* | 46, 50 |
| FP-1817189 | 44 | FP-1823860 | 19 | FP-1833365* | 46, 50 |
| FP-1817247 | 31, 44, 45 | FP-1823861 | 19 | FP-1833366* | 46, 50 |
| FP-1817250 | 19 | FP-1823863 | 19 | FP-1833382* | 45, 46, 50 |
| FP-1817250WR | 19 | FP-1823864 | 19 | FP-1833447* | 49 |
| FP-1817251 | 19 | FP-1823865 | 19 | FP-1833564 | 45, 50 |
| FP-1817255 | 19 | FP-1823866 | 19 | FP-1836075 | 45, 46 |
| FP-1817256 | 19 | FP-1823875 | 45, 46, 50 | FP-1836192* | 46 |
| FP-1817339 | 44 | FP-1823925 | 45, 49, 50 | FP-1836193 | 46, 50 |
| FP-1817510 | 31, 44, 49 | FP-1823930 | 44 | FP-1836195* | 46 |
| FP-1817520 | 44 | FP-1824284 | 35 | FP-1836299 | 46 |
| FP-1817520WP | 44 | FP-1824284WP | 35 | FP-1836300* | 46 |
| FP-1817562 | 31, 44, 45, 49, 50 | FP-1824415 | 35 | FP-1836321* | 46 |
| FP-1817633 | 31, 49, 50 | FP-1824452 | 35 | FP-1841326 | 46, 49, 50, 57, 58 |
| FP-1817645 | 44 | FP-1824642 | 44, 49 | FP-1841896* | 50 |
| FP-1817646 | 44 | FP-1824644 | 44-46, 49, 50 | FP-1842115 | 31, 49, 50, 57, 58 |
| FP-1817687 | 31, 44-46, 49, 50 | FP-1824646 | 44-46, 49 | FP-1842227* | 46 |
| FP-1817867 | 31, 44-46, 49, 50 | FP-1824647 | 45, 46, 50 | FP-1842549 | 46 |
| FP-1818092 | 35 | FP-1824680 | 44-46, 49, 50 | FP-1842550 | 46 |
| FP-1818372 | 35 | FP-1824683 | 44-46, 49, 50 | FP-1842551* | 46 |
| FP-1818397 | 35 | FP-1824757* | 49 | FP-1842552* | 57, 58 |
| FP-1818446 | 44 | FP-1824810 | 44 | FP-1842553 | 49, 50, 57, 58 |
| FP-1818509 | 19, 44 | FP-1824810WP | 44 | FP-1842554* | 46 |
| FP-1818552 | 31, 44, 45, 49 | FP-1824820 | 44 | FP-1842555* | 46 |
| FP-1818580 | 31, 44, 49 | FP-1824823 | 44 | FP-1842556* | 46 |
| FP-1818598 | 31, 44, 45, 49, 50 | FP-1824838 | 31, 44, 49 | FP-1842557* | 57, 58 |
| FP-1818702 | 31, 44-46, 49, 50 | FP-1824840 | 45, 46, 50 | FP-1842566* | 57, 58 |
| FP-1818778 | 45, 50 | FP-1824842 | 44, 49 | FP-1842567* | 57, 58 |
| FP-1819547 | 43, 44 | FP-1824908 | 45 | FP-1842570* | 46, 50, 57, 58 |
| FP-1819649 | 32 | FP-1824966 | 45 | FP-1842622* | 46 |
| FP-1819733 | 32-34 | FP-1824970 | 45, 50 | FP-1842648* | 46, 57, 58 |
| FP-1820264 | 31, 44, 49 | FP-1825163 | 35 | FP-1842912 | 45, 50 |
| FP-1820697 | 35 | FP-1825436 | 44 | FP-1842913 | 45, 50 |
| FP-1820784 | 35 | FP-1825461 | 44, 45 | FP-1850401* | 46 |
| FP-1821880 | 35 | FP-1825540 | 44-46, 49, 50 | FP-1850402* | 46 |
| FP-1821900 | 45, 50 | FP-1825547* | 50 | FP-1850403* | 46 |
| FP-1821901 | 45, 50 | FP-1825548* | 50 | FP-1874253* | 57, 58 |
| FP-1821902 | 45, 50 | FP-1825585 | 45 | FP-1876100* | 46 |
| FP-1821903 | 45, 50 | FP-1825585WP | 45 | FP-1876101* | 46 |
| FP-1821904 | 45, 50 | FP-1825602 | 45, 50 | FP-1876103+ | 46, 57, 58 |
| FP-1821905 | 45, 50 | FP-1825690 | 45 | FP-1889247* | 46, 57, 58 |
| FP-1822097 | 44 | FP-1826322* | 31 | FP-205205 | 27, 28, 36 |
| FP-1822097WP | 44 | FP-1826587 | 31, 44-46, 49, 50 | FP-2056043 | 27, 28, 36 |
| FP-1822098* | 49 | FP-1826672 | 35 | FP-205671 | 22, 23 |
| FP-1822120 | 31, 35, 44-46, 49, 50 | FP-1830060 | 46, 49 | FP-205673 | 22, 23 |
| FP-1822135 | 45 | FP-1830256 | 46, 49, 50 | FP-205701 | 52, 53 |
| FP-1822217* | 31 | FP-1830327 | 46 | FP-205705* | 27, 28, 36 |
| FP-1822245* | 31, 44, 49 | FP-1830375 | 45 | FP-2105CP | 1 |
| FP-1822321 | 31, 44, 45, 49, 50 | FP-1830375WP | 45 | FP-2105CP10 | 1 |
| FP-1822322 | 31, 44-46, 49, 50 | FP-1830564 | 45 | FP-2105CP2 | 1 |
| FP-1822328 | 31, 44, 49 | FP-1830565 | 45 | FP-2105CP20 | 1 |
| FP-1822332* | 31 | FP-1830715* | 50 | FP-2105CP30 | 1 |
| FP-1822333* | 49 | FP-1830716* | 50 | FP-218211 | 19, 31, 43-45, 49, 50, 56 |
| FP-1822337* | 49, 50 | FP-1830720 | 45, 46 | FP-2195CP | 52, 53 |
| FP-1822340 | 44 | FP-1830721* | 50 | FP-2195CP10 | 52, 53 |
| FP-1822379 | 31, 44, 45, 49, 50 | FP-1830723 | 46, 50 | FP-24513121 | 12 |
| FP-1822389 | 31, 44, 45, 49, 50 | FP-1830724 | 46, 50 | FP-252483 | 44 |
| FP-1822486 | 31, 44, 45, 49, 50 | FP-1830725* | 46, 50 | FP-253660 | 19, 31, 44, 45, 49, 50 |
| FP-1822487 | 31, 44, 45, 49, 50 | FP-1830726* | 46, 50 | FP-280623 | 56 |
| FP-1822490 | 31, 44, 45, 49, 50 | FP-1830742 | 46 | FP-317365 | 8, 13, 14, 17, 18, 22, 23, 25-28, 32-34, 36, 37, 40-42, 47, 51-56, 61, 62 |
| FP-1822491 | 31, 44, 45, 49, 50 | FP-1830813 | 35 | FP-317749 | 56 |
| FP-1822492 | 31, 44, 45, 49, 50 | FP-1830826 | 35 | FP-3210CP | 59, 60, 63 |
| FP-1822494 | 31, 44, 45, 49, 50 | FP-1830898 | 35 | FP-3210CP10 | 59, 60, 63 |
| FP-1822495 | 31, 44, 45, 49, 50 | FP-1830898WP | 35 | FP-3210CP20 | 59, 60, 63 |
| FP-1822496 | 31, 44, 45, 49, 50 | FP-1830899 | 35 | FP-3210CP30 | 59, 60, 63 |
| FP-1822577 | 45, 46, 49, 50 | FP-1830899WP | 35 | FP-326751 | 19 |
| FP-1822708 | 35, 45, 49, 50 | FP-1830900 | 35 | FP-326874 | 44 |
| FP-1822712 | 35 | FP-1830900WP | 35 | FP-356005 | 8, 13, 14, 17, 18, 22, 23 |
| FP-1822862 | 35 | FP-1830949 | 35 | FP-3730CP | 27, 28, 36, 37 |
| FP-1823140 | 19 | FP-1830950 | 35 | FP-3730CP10 | 27, 28, 36, 37 |
| FP-1823313 | 45 | FP-1830951 | 35 | FP-3730CP20 | 27, 28, 36, 37 |
| FP-1823313WP | 45 | FP-1830952 | 35 | FP-3730CP30 | 27, 28, 36, 37 |
| FP-1823452 | 35 | FP-1830953 | 35 | FP-3730CP40 | 27, 28, 36, 37 |
| FP-1823453 | 35 | FP-1830954 | 35 | FP-41339 | 3, 5, 7, 8, 11-15, 17-19, 22, 23, 27, 28, 32-34, 36, 37, 42-44, 54, 56 |
| FP-1823671 | 35 | FP-1830955 | 35 | FP-427231 | 56 |
| FP-1823843 | 44 | FP-1830956 | 35 | FP-428046 | 56 |
| FP-1823844 | 44 | FP-1831516 | 35 | FP-434466 | 56 |
| FP-1823845 | 44 | FP-1831665 | 35 | | |
| FP-1823846 | 44 | FP-1831713 | 35 | | |
| FP-1823847 | 43, 44 | FP-1833092* | 46 | | |

Numerical List



| Part No. | Line No. | Part No. | Line No. | Part No. | Line No. |
|-------------|--|-------------|---|-------------|---|
| FP-434466S | 56 | FP-681314 | 43, 44 | VK-138B | 3, 5, 7, 8, 11-15, 17-19, 22, 23, 27, 28, 32, 33, 36, 37, 42-44, 54, 56 |
| FP-434467 | 56 | FP-68131440 | 43, 44 | VK-138R | 3, 5, 7, 8, 11-15, 17-19, 22, 23, 27, 28, 32, 33, 36, 37, 42-44, 54, 56 |
| FP-434467S | 56 | FP-681315 | 43, 44 | VK-140 | 25, 26, 40, 41, 47, 51-53, 55, 61, 62 |
| FP-434468 | 56 | FP-681316 | 43, 44 | VK-63 | 6, 9, 10 |
| FP-434468S | 56 | FP-682064 | 19, 43, 44 | VK-66 | 24 |
| FP-434469 | 56 | FP-682198 | 19 | VK-66R | 24 |
| FP-434469S | 56 | FP-682199 | 43, 44 | VS-336 | 20, 21, 24, 29, 30, 38, 39, 48 |
| FP-443128 | 8, 13, 14, 17, 18, 22, 23, 25-28, 36, 40-42, 47, 51-54, 56, 61 | FP-682810 | 19, 31, 44, 49, 50 | VS-337 | 20, 21, 24, 29, 30, 38, 39, 48 |
| FP-446437 | 56 | FP-682840 | 44 | VS-389 | 3, 5, 7 |
| FP-446571 | 27, 28, 36, 37 | FP-682945 | 44 | VS-547 | 5, 7, 12 |
| FP-446839 | 32, 34 | FP-684065S | 44 | VS-693 | 41 |
| FP-448064 | 51, 54, 56, 61, 62 | FP-684255 | 43, 44 | V-1327X | 3, 5, 7 |
| FP-448139 | 25, 26, 40-42, 47, 51-56, 61, 62 | FP-684255WP | 44 | V-1542 | 3, 5 |
| FP-448427 | 56 | FP-684256 | 43, 44 | V-1834X | 22, 23 |
| FP-448428 | 25, 26, 40, 41, 47, 51-56, 61, 62 | FP-684256S | 43, 44 | V-1926 | 20 |
| FP-480842 | 51, 54, 56, 61, 62 | FP-684552 | 19 | V-2090X | 27, 28, 36, 37 |
| FP-480843 | 51, 54, 56, 61, 62 | FP-684555 | 19 | V-2523 | 27, 28, 36, 37 |
| FP-480844 | 51, 54, 56, 61, 62 | FP-684561 | 19 | V-2524X | 13, 14, 17, 18 |
| FP-480845 | 51, 54, 56, 61, 62 | FP-684564 | 19 | V-2525 | 13, 14, 17, 18 |
| FP-480847 | 51, 54, 56, 61, 62 | FP-684570 | 44 | V-4081 | 20, 24 |
| FP-480848 | 51, 54, 56, 61, 62 | FP-684573 | 44 | WE-270K | 13, 14, 17, 18 |
| FP-480849 | 51, 54, 56, 61, 62 | FP-684576 | 44 | WE-270X | 13, 14, 17, 18 |
| FP-489101 | 56 | FP-684579 | 44 | WE-273K | 22, 23, 25-28, 36, 40, 41 |
| FP-489104 | 56 | FP-684582 | 44 | WE-404K | 22, 23, 25-28, 36, 40, 41 |
| FP-489105 | 56 | FP-684585 | 44 | WH996CP | 22, 23 |
| FP-489120 | 56 | FP-684930 | 44 | WH997CP | 13, 14, 17, 18 |
| FP-489172 | 56 | FP-684931 | 44 | WH999P | 27, 28, 36 |
| FP-489193 | 56 | FP-685153 | 19, 44 | W-10333KX+ | 56 |
| FP-489256 | 56 | FP-685155 | 19, 44 | W-5642KX | 21, 29, 30, 38, 39 |
| FP-5032M | 42, 51, 54, 56, 61, 62 | FP-686181 | 44 | W-9520KX | 44 |
| FP-5032M10 | 42, 51, 54, 56, 61, 62 | FP-687382 | 43, 44 | W-9618KX | 44 |
| FP-5032M20 | 42, 51, 54, 56, 61, 62 | FP-687385 | 19 | 1091M | 2, 4 |
| FP-5032M30 | 42, 51, 54, 56, 61, 62 | FP-687388 | 19 | 1218M | 8, 13, 14, 17, 18, 22, 23 |
| FP-5084M | 59, 60, 63 | FP-687391 | 44 | 1269Y | 6, 9-11, 15 |
| FP-5084M10 | 59, 60, 63 | FP-687394 | 44 | 1467M | 27, 28 |
| FP-5084M20 | 59, 60, 63 | FP-687432 | 43, 44 | 1579V | 3, 5, 7 |
| FP-670073 | 19, 44 | FP-688928 | 44 | 205-170 | 13, 14, 17, 18 |
| FP-670079 | 44 | FP-690437 | 19, 31, 44-46, 49, 50 | 205-170M | 13, 14, 17, 18 |
| FP-670675 | 44 | FP-702299 | 35 | 205-670 | 13, 14, 17, 18 |
| FP-671505 | 44 | FP-875519 | 35 | 205-670M | 13, 14, 17, 18 |
| FP-671506 | 44 | FP-911776 | 3, 5, 7, 11, 12, 15, 43, 44 | 205-675 | 22 |
| FP-671559 | 43, 44 | FP-941M | 1 | 205-676 | 22 |
| FP-671561 | 43, 44 | FP-941M10 | 1 | 2199Y20 | 25, 26, 40, 41, 47, 52, 53, 55 |
| FP-671563 | 43, 44 | FP-941M20 | 1 | 221-3335S | 27, 28, 36, 37 |
| FP-671565 | 43, 44 | FP-941M30 | 1 | 221-3336S | 8, 13, 14, 17, 18, 22, 23 |
| FP-671821 | 43, 44 | HLC997CP | 13, 14, 17, 18 | 221-3342S | 32, 33 |
| FP-671825 | 19, 43 | HT-855 | 8, 13, 14, 17, 18, 22, 23 | 2218 | 8, 13, 14, 17, 18, 22, 23, 27, 28, 36, 37 |
| FP-671827 | 44 | HT-855B | 8, 13, 14, 17, 18, 22, 23 | 224-41185 | 3, 5, 7, 12 |
| FP-673973 | 43, 44 | H996CP | 22, 23 | 224-41187 | 8, 13, 14, 17, 18, 22, 23 |
| FP-674399 | 43, 44 | H997CP | 13, 14, 17, 18 | 224-41189 | 27, 28, 36, 37 |
| FP-674399WS | 44 | MV-1551 | 25, 26, 40, 41, 47, 52, 53, 55 | 224-51185 | 3, 5, 7, 12 |
| FP-675006 | 44 | MV-1796 | 12 | 224-51187 | 8, 13, 14, 17, 18, 22, 23 |
| FP-675043 | 31, 44, 49 | MV-1796A | 12 | 2410CP | 8, 12-14, 17, 18, 22, 23 |
| FP-675046 | 43, 44 | MV-1796C | 34 | 245-1312-1 | 12 |
| FP-675109 | 43, 44 | MV-1914 | 51, 61, 62 | 245-1375-4 | 12 |
| FP-675384 | 19, 43, 44 | RC-107 | 12 | 245-1562-1 | 9, 10 |
| FP-675439 | 19, 43, 44 | RP-3131 | 8, 13, 14 | 245-1562-1N | 9, 10 |
| FP-675442 | 19, 31, 43, 44, 49 | RP-3132 | 17, 18, 22, 23 | 245-1687-2 | 12 |
| FP-675443 | 44 | RP-3133 | 17, 18, 22, 23 | 245-1687-2N | 12 |
| FP-675450 | 31, 44, 49 | RP-3201 | 27, 28, 36, 37 | 245-1750-2 | 9, 10 |
| FP-675477 | 19, 31, 44, 49, 50 | R-1119 | 32, 33 | 245-1750-2N | 9, 10 |
| FP-675600 | 19, 43, 44 | R-884 | 8, 13, 14, 17, 18, 22, 23 | 245-1750-3 | 11, 15 |
| FP-675609 | 19, 44 | R-949 | 32, 33 | 245-1750-3N | 11, 15 |
| FP-675621 | 43, 44 | SL-17M | 8 | 245-1875-1 | 5, 7, 11, 15, 21, 29, 30, 38, 39, 48 |
| FP-675669 | 43, 44 | SL-18M | 7 | 245-1875-1N | 5, 7, 11, 15, 21, 29, 30, 38, 39, 48 |
| FP-675774 | 44 | SL-20Y | 13, 14, 17, 18 | 245-2125-1 | 27, 28, 36, 37 |
| FP-675808 | 19, 44 | SL-23M | 22-24, 27, 28, 36, 37 | 245-2250-1 | 25, 26, 47, 52, 53, 55 |
| FP-675812 | 19, 44 | SL-23Y | 22-24, 27, 28, 36, 37 | 259-303A | 20, 21, 24, 29, 30, 38, 39, 48 |
| FP-675813 | 44 | SL-93M | 11, 12, 15 | 259-303ARS | 20, 21, 24, 29, 30, 38, 39, 48 |
| FP-675816 | 19, 44 | ST-2001 | 9 | 259-303B | 20, 21, 24, 29, 30, 38, 39, 48 |
| FP-675860 | 19, 44 | ST-2002 | 37, 44 | 259-303C | 20, 21, 24, 29, 30, 38, 39, 48 |
| FP-676679 | 44 | ST-2002BC | 5, 7, 11, 12, 15, 37, 44 | 260-1050 | 22, 23 |
| FP-676687 | 19 | ST-2004 | 8, 13, 14, 17, 18 | 260-1075 | 8, 13, 14, 17, 18 |
| FP-676865 | 43, 44 | ST-2004BC | 8, 13, 14, 17, 18 | 260-1076 | 22, 23 |
| FP-677082 | 44 | ST-2007 | 21, 25, 26, 29, 30, 38-41, 47, 48, 52, 53, 55 | 260-1114 | 61, 62 |
| FP-677349 | 31, 44-46, 49, 50 | VG-499 | 3, 5, 7 | 260-1115 | 47, 52, 53, 55 |
| FP-677692 | 19, 43, 44 | VG-549 | 51, 61, 62 | 260-1117 | 27, 28, 36, 37 |
| FP-680084 | 44 | VG-581 | 8, 13, 14, 17, 18, 22, 23 | 260-1374 | 12 |
| FP-680086 | 44 | VG-646 | 22, 23 | 260-1665 | 19 |
| FP-680117 | 19, 31, 43-45, 49, 50 | VG-660 | 27, 28, 36, 37 | 260-1672 | 32 |
| FP-680899 | 44 | VK-138 | 3, 5, 7, 8, 11-15, 17-19, 22, 23, 27, 28, 32, 33, 36, 37, 42-44, 54, 56 | | |
| FP-681234 | 19, 32, 33, 43, 44 | | | | |

| Part No. | Line No. | Part No. | Line No. | Part No. | Line No. |
|----------|---|----------|----------|----------|----------|
| 260-1673 | 33, 34 | | | | |
| 260-6017 | 51, 54, 56, 61, 62 | | | | |
| 260-6054 | 27, 28, 32-34, 36, 37 | | | | |
| 381-8056 | 32-34 | | | | |
| 381-8083 | 8, 13, 14, 17, 18, 22, 23 | | | | |
| 381-8088 | 35 | | | | |
| 3893V | 32, 33 | | | | |
| 39608 | 27, 28, 32, 33 | | | | |
| 39958 | 19 | | | | |
| 4070M | 8, 13, 14, 17, 18, 22, 23 | | | | |
| 410708 | 7 | | | | |
| 417316 | 5, 15, 21, 29, 30, 38, 39, 48 | | | | |
| 472856 | 3 | | | | |
| 5064 | 27, 28, 36, 56 | | | | |
| 5065 | 42, 52-54, 56 | | | | |
| 5066 | 32, 33 | | | | |
| 5082M | 27, 28, 36, 37 | | | | |
| 5110M | 32, 33 | | | | |
| 5112S | 25, 26, 40, 41 | | | | |
| 5155X | 8 | | | | |
| 5576KX | 7 | | | | |
| 5642KX | 21, 29, 30, 38, 39 | | | | |
| 677X | 5, 9, 10 | | | | |
| 710447 | 25, 26 | | | | |
| 714470 | 19, 44 | | | | |
| 7581H | 8, 13, 14, 17, 18, 22, 23, 40-42, 52-54 | | | | |
| 8-2410CP | 8, 13, 14, 17, 18, 22, 23 | | | | |
| 9219V | 2, 4 | | | | |
| 9219X | 2, 4 | | | | |
| 935M | 3, 5, 7 | | | | |
| 99240 | 3 | | | | |
| 99248 | 8, 13, 14, 17, 18, 22, 23, 40-42, 52-54 | | | | |
| 99260 | 7 | | | | |
| 99272 | 5, 15 | | | | |
| 99298 | 19 | | | | |

FIND ALL THE PARTS YOU NEED

Look Up Any Part, Any Time. www.FMe-cat.com

FMe-cat is the online solution that offers fast, easy access to virtual catalog pages covering thousands of FP Diesel® replacement engine parts for commercial vehicles. The interactive catalog simplifies the process of locating engine components for medium- and heavy-duty applications and enables users to easily navigate in a virtual catalog environment.

The user-friendly interface always features the most complete product offering and latest coverage data.

A variety of lookup tools will help you, whatever information you may have:

- Application Lookup** – By make, engine code, engine
- Part Number Lookup** – By inputting the part number
- Interchange Lookup** – By inputting a competitor or OEM's part number

This helpful online tool also provides:

- Personal Parts List
- Technical Tips and Product Bulletins
- Digital Catalogs
- New Number Announcements
- Newsletters

Order All The Parts – With Just One Call!

Many FP Diesel® Engine Kits have several variations in components available, depending on the specific engine. Overhaul Kits are designed to contain all the parts necessary to rebuild a particular engine. To assure that the kit is correct and complete, reference the “How To Order Overhaul and In-frame Kits” guide found on page XII in the front section of this catalog.

This information enables your FP Diesel service representative to configure the Engine Kit to your particular requirements, ensuring that everything is properly accounted for. In cases where there are no variable components, we have pre-configured the kits to include all the necessary parts for that application.



800.237.7425

HOURS: 8 am-6:30 pm EST, 7 am-5:30 pm CST,
6 am-4:30 pm MST, 5 am-3:30 pm PST



FMe-cat.com
Your 24/7 FP Diesel
Resource

Available 24/7, the interactive e-Catalog features a highly intuitive interface and advanced functionality that enable distributors and repair professionals to access the latest and most complete product data and to quickly and easily find the right FP Diesel components. **The catalog's comprehensive interchange and numerical lookup tools help identify the correct part even when complete application information is not available.**



Part Number FP-1810359-4R

Cylinder Kit Complete

Commercial Applications

| Make | Model |
|------------------------------|-----------------|
| IHC Tractor | Combine |
| | Crawler Tractor |
| | Power Unit |
| | Scraper |
| | Wheel Loader |
| | Wheel Tractor |
| International/Navistar Truck | |

| | | | |
|-----------------------|----------------------|---|---|
| Cylinder Kit Complete | FP-1810359-4R | 6 | Model 1750; Years 93-78; DT466B, DTA466B, DT1466B, DT466C, DTA466C, DT1466C From Ser. No. 76441 through 532980; 4 ring piston applications; 16.3:1 C.R.; Also available as Sealed Power No. SL-2761 |
| | FP-1810359-4R | 6 | Model 1754; Years 93-78; DT466B, DTA466B, DT1466B, DT466C, DTA466C, DT1466C From Ser. No. 76441 through 532980; 4 ring piston applications; 16.3:1 C.R.; Also available as Sealed Power No. SL-2761 |
| | FP-1810359-4R | 6 | Model 1850; Years 93-78; DT466B, DTA466B, DT1466B, DT466C, DTA466C, DT1466C From Ser. No. 76441 through 532980; 4 ring piston applications; 16.3:1 C.R.; Also available as Sealed Power No. SL-2761 |
| | FP-1810359-4R | 6 | Model 1853; Years 93-78; DT466B, DTA466B, DT1466B, DT466C, DTA466C, DT1466C From Ser. No. 76441 through 532980; 4 ring piston applications; 16.3:1 C.R.; Also available as Sealed Power No. SL-2761 |
| | FP-1810359-4R | 6 | Model 1853 4 X 4; Years 93-78; DT466B, DTA466B, DT1466B, DT466C, DTA466C, DT1466C From Ser. No. 76441 through 532980; 4 ring piston applications; 16.3:1 C.R.; Also available as Sealed Power No. SL-2761 |

Download the latest new product announcements



Access new number
bulletins



Get your copy of
"The Source" Newsletter



Flip through virtual paper catalogs

**Visit FMe-cat.com and click
on the Commercial vehicle!**





FP Diesel ML⁷ Head Gaskets

- Patented multi-layer design provides unprecedented strength
- Expanded graphite outer facings fills in minor voids in sealing surfaces
- Stainless steel armors provide robust, long lasting combustion seal
- Solid steel core provides enhanced lateral stability



Valvetrain Components

- Manufactured to the highest quality standards
- OEM specification materials used with upgrades to super alloys such as stellite, nickel, nimonic and inconel where needed for problem applications
- Available parts include valves, springs, guides, keepers, rotocaps, rocker parts, lifters, seals, seats and more



www.FMe-cat.com

- Commercial vehicle electronic catalog – available at www.FMe-cat.com
- User friendly interface features the most complete product offering and latest coverage data
- Online solution offers fast, easy access to virtual catalog pages covering the thousands of FP Diesel[®] components
- Eases locating components for heavy-duty applications and enables users to accurately navigate in a virtual catalog environment of commercial vehicles

GLOBAL TECHNOLOGY behind every part